

FIG. 1

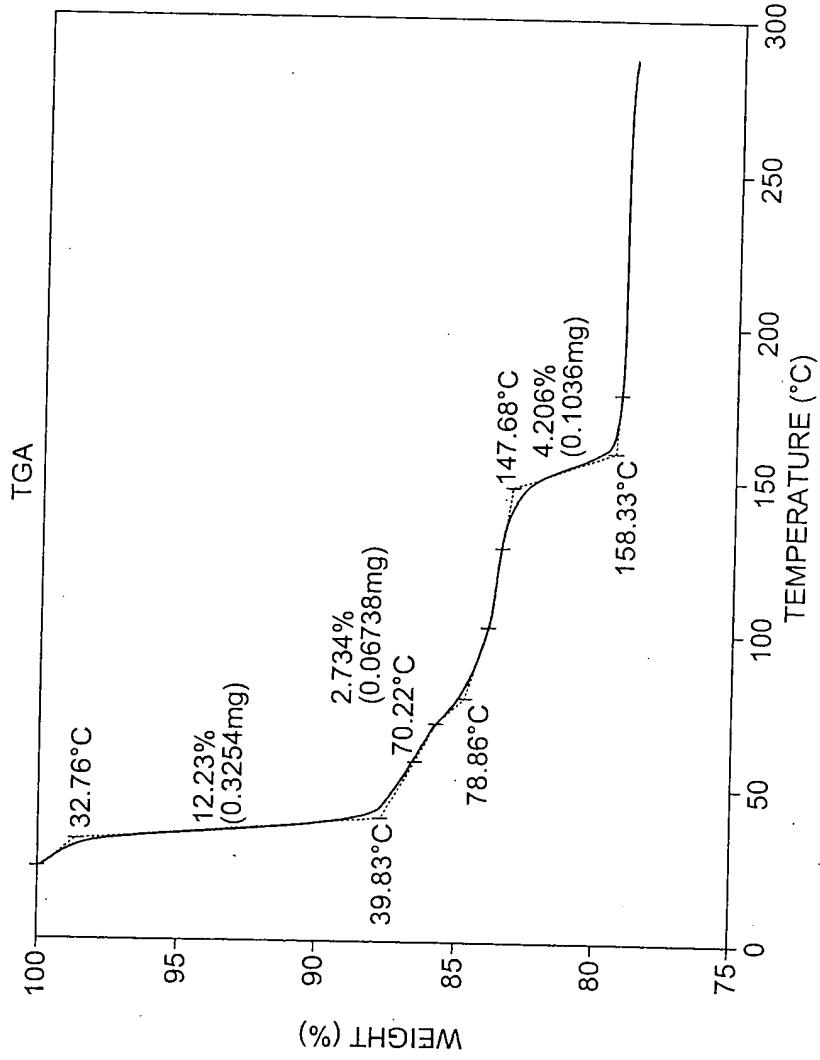


FIG. 2

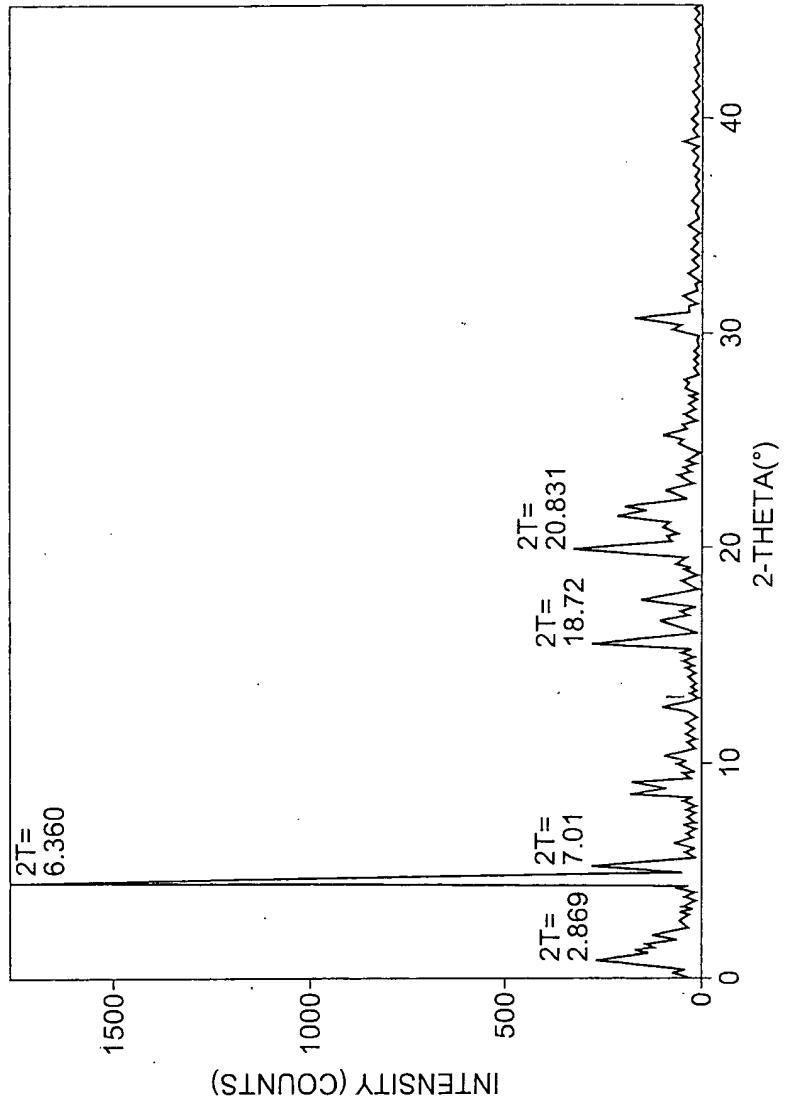


FIG. 3

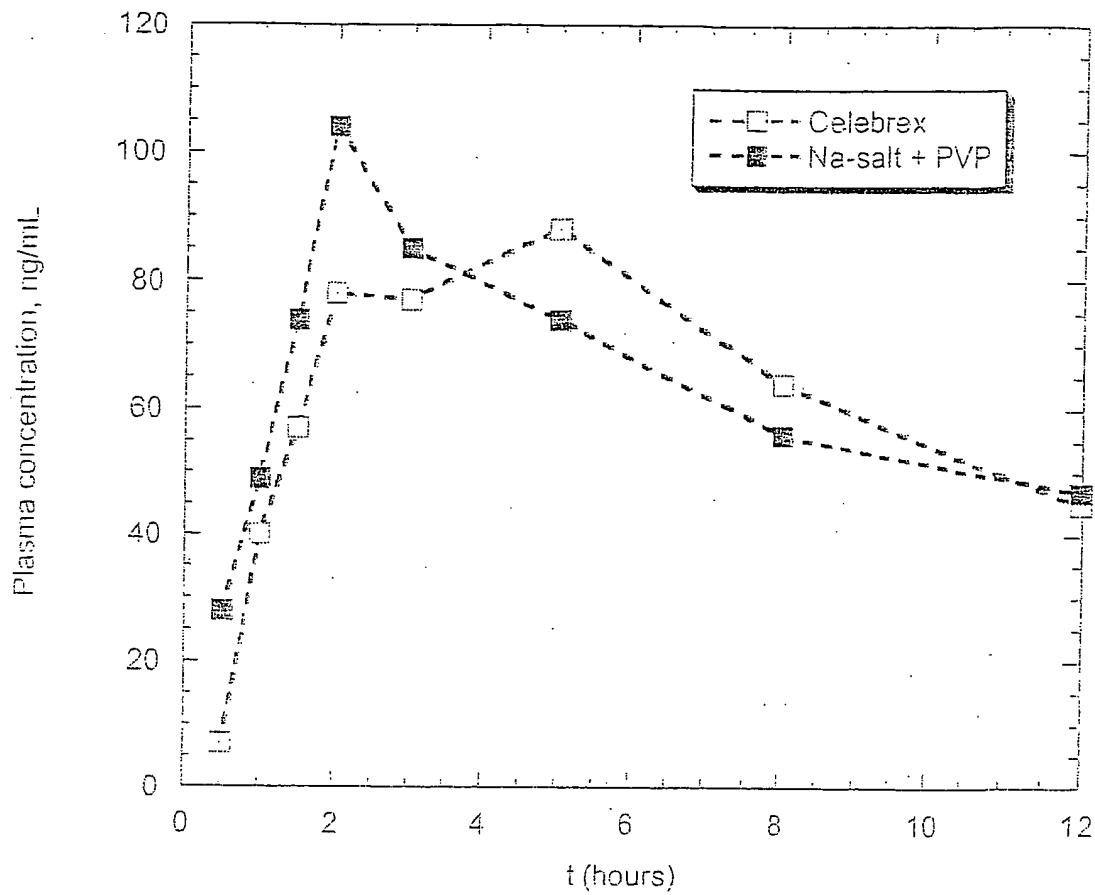


FIG. 4A

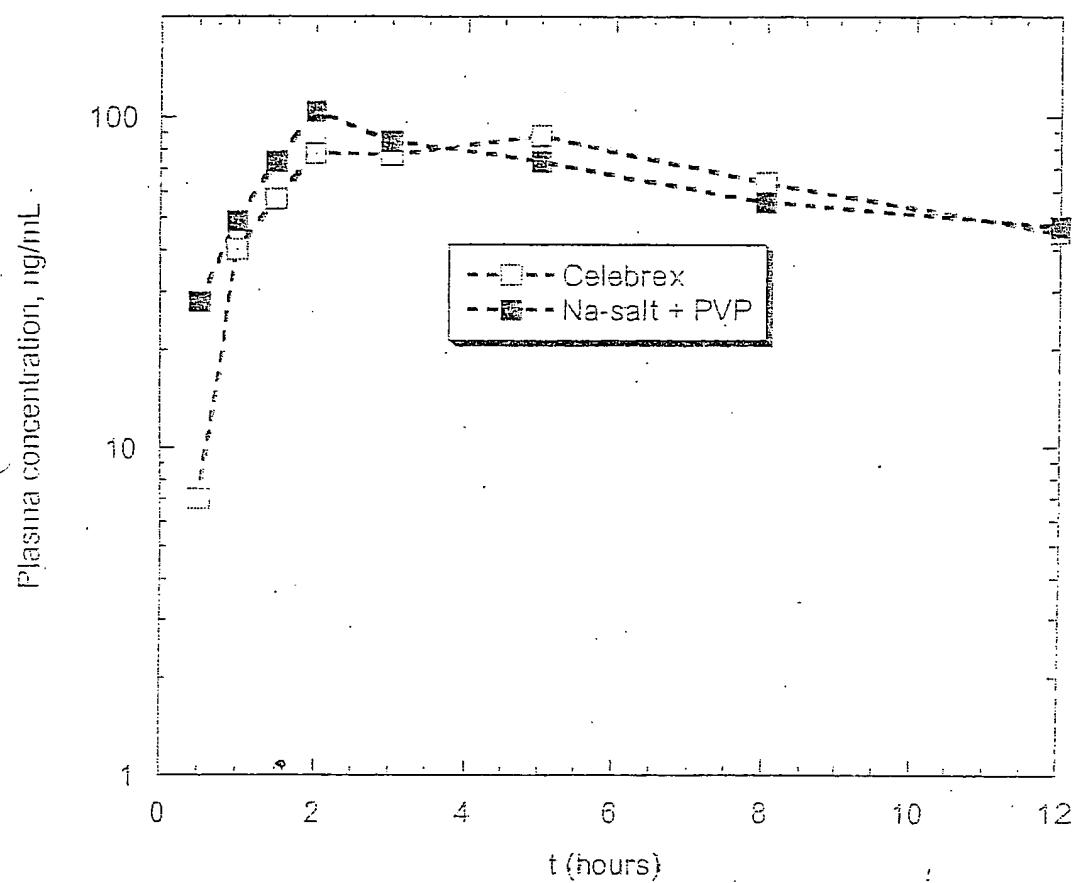


FIG. 4B

	Formulation	Dose Level (mg/kg)	C_{max} (ng/mL)	T_{max} (min)	AUC _{0-t_{last}} (ng·hr/mL)	$T_{1/2}$ (hr)	Volume of Distribution at Steady State (mL/kg)	Clearance Rate (mL/hr·kg)	Bioavailability (%)
Mean	Celecoxib IV	1	718	NA	3808	8.21	2498	278	NA
SD		NA	91	NA	933	2.85	590	77	NA
Mean	Celecoxib PO	5.09	654	1.25	7663	9.3	NA	798	40.05
SD		0.050	199	0.88	3119	3.48	NA	317	15.45
Mean	Celecoxib Sodium PO	5.05	2142	0.75	16426	9.0	NA	323	85.80
SD		0.121	569	0.27	4150	2.71	NA	77	7.82

FIG. 5

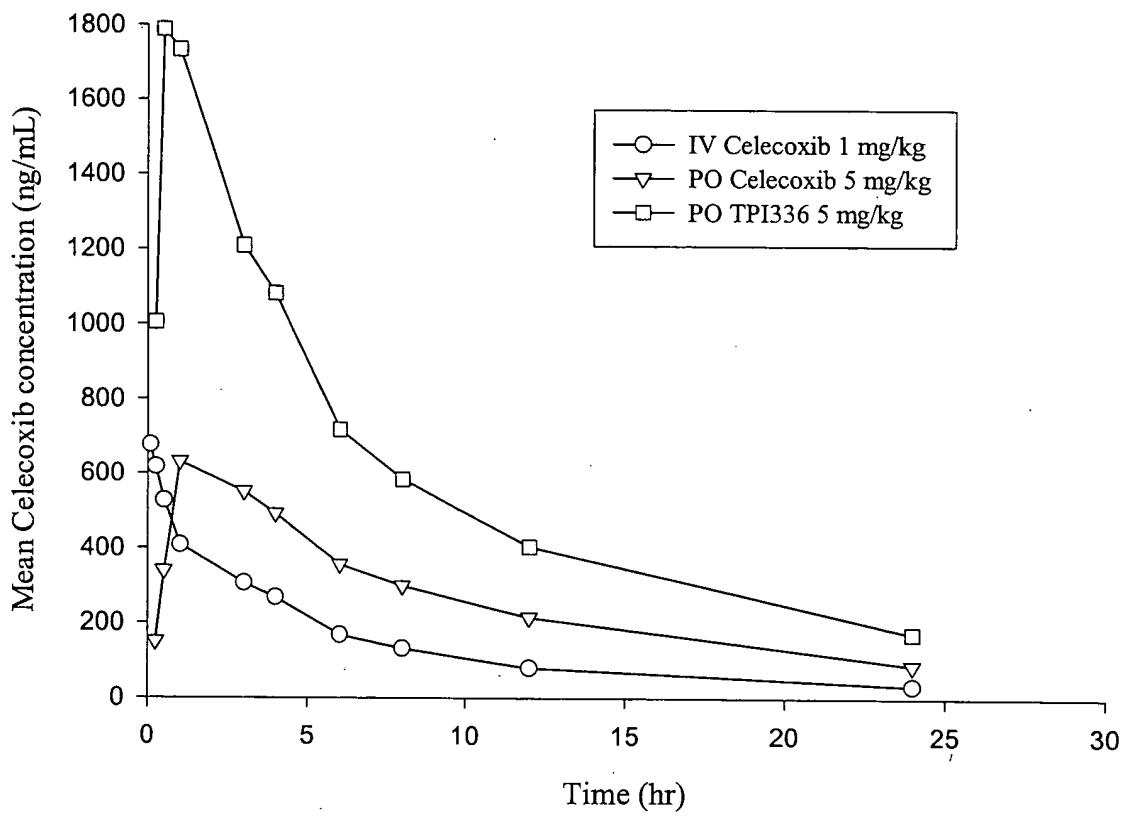
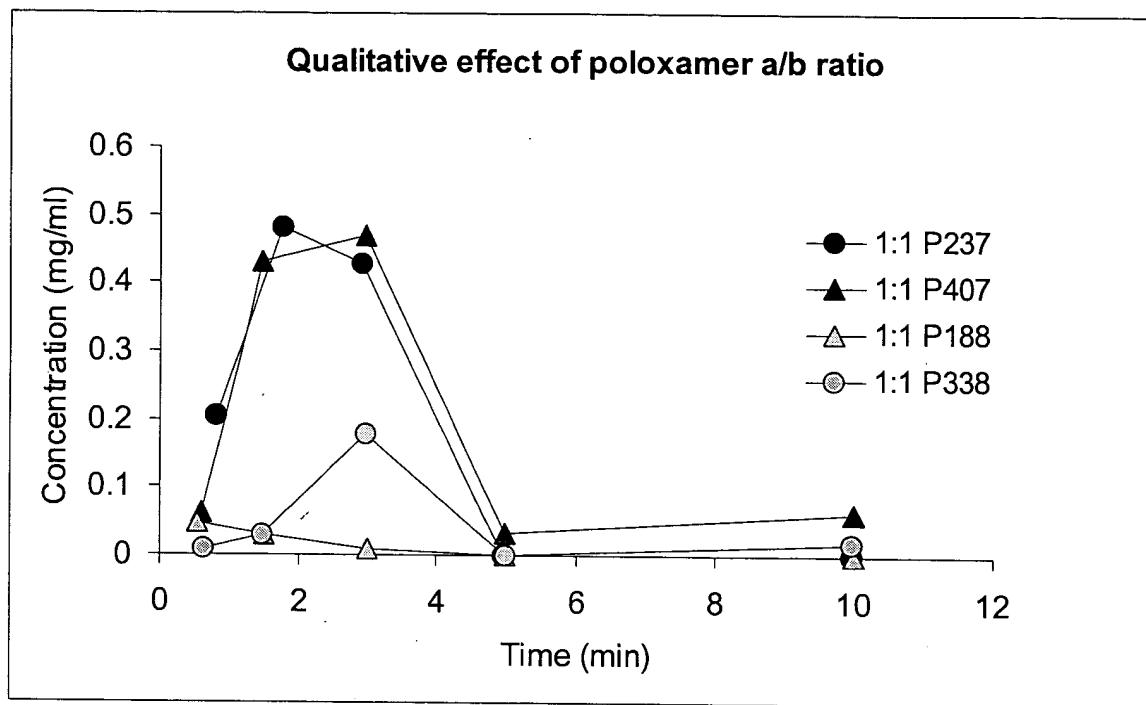


FIGURE 6



Poloxamer	Physical form	a	b	Average molecular weight
124	Liquid	12	20	2090-2360
188	Solid	80	27	7680-9510
237	Solid	64	37	6840-8830
338	Solid	141	44	12 700-17 400
407	Solid	101	56	9840-14 600

Percent a	Percent b	Ratio a/b
0.38	0.63	0.60
0.75	0.25	2.96
0.68	0.32	1.73
0.76	0.24	3.20
0.69	0.31	1.80

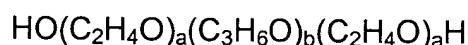


FIGURE 7

Effects of Celluloses on Dissolution of 1/1 Vitamin E TPGS/TPI-336-Na at Room Temperature

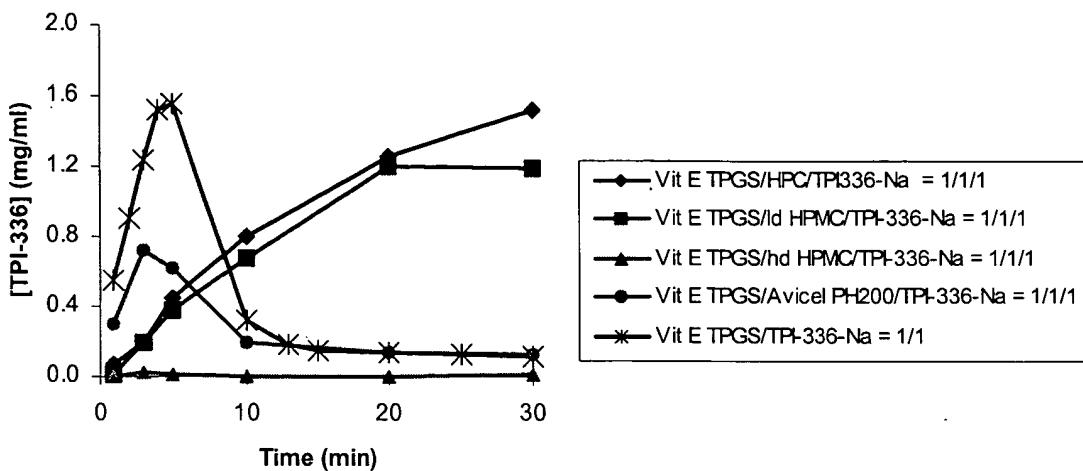


FIGURE 8

Dissolution Test at 37C for Various Ratio of Vitamin E TPGS : HP-Cellulose : TPI336 Na

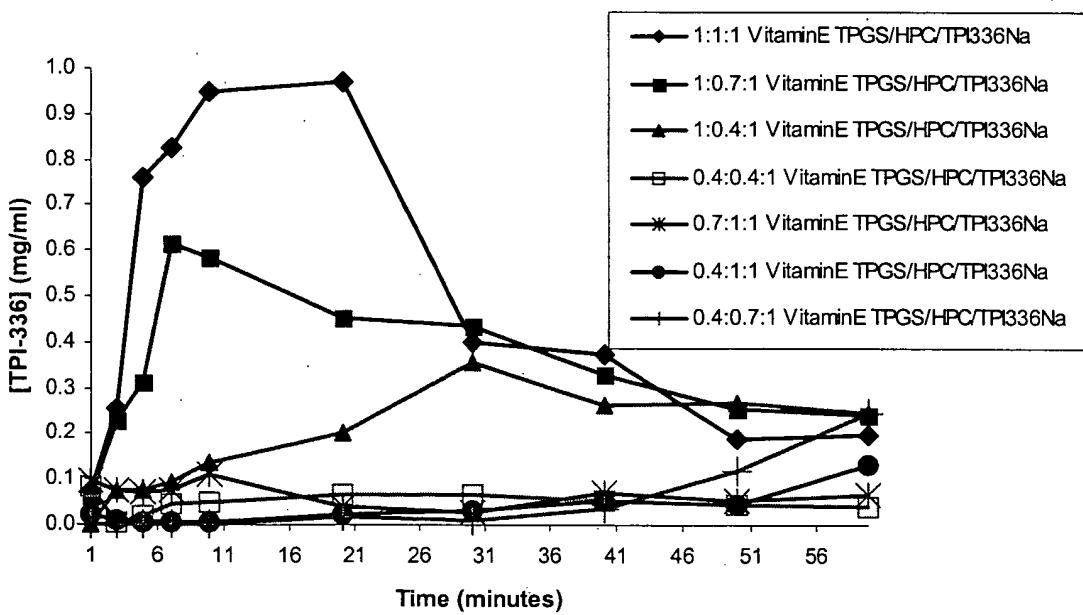


FIGURE 9

Dissolution profile of TPI-336-Na in SGF from solid mixtures with excipients at room temperature

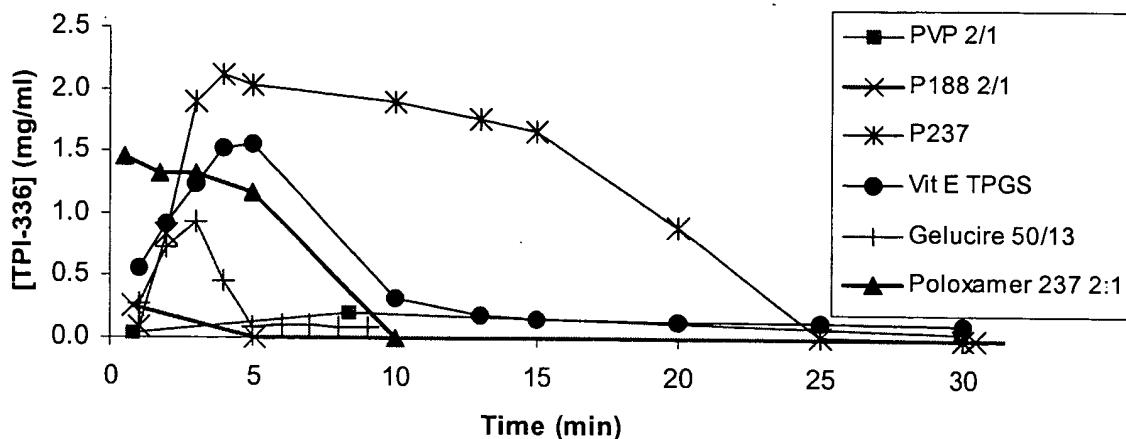


FIGURE 10

Effect of Avicel and Silica Gel on the dissolution of TPI336Na/Vit E TPGS/HPC mixtures in SGF at 37C

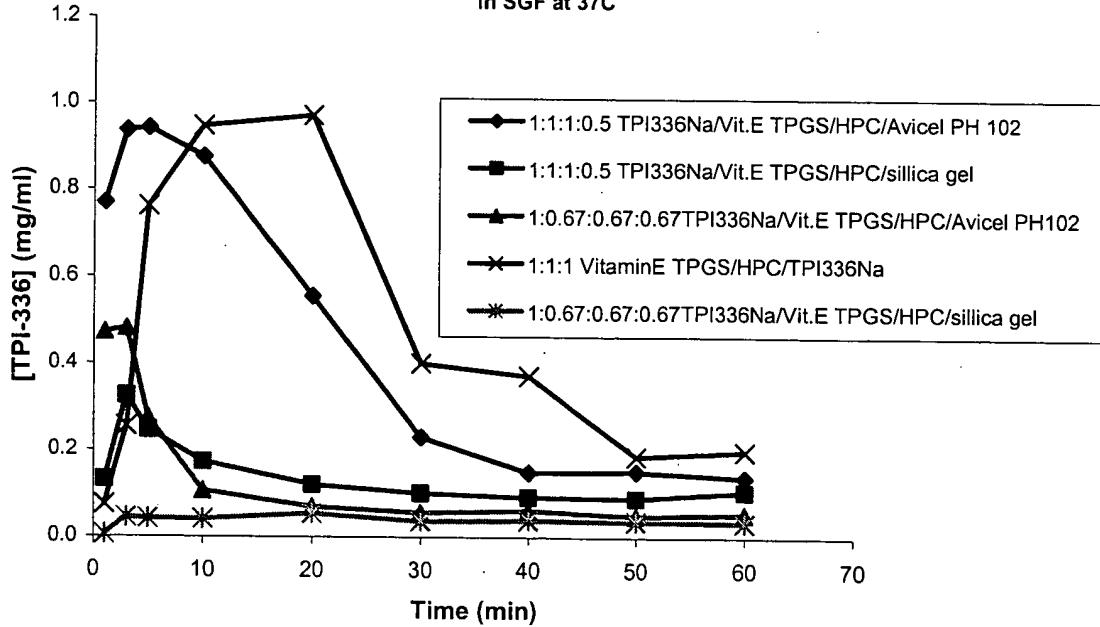


FIGURE 11

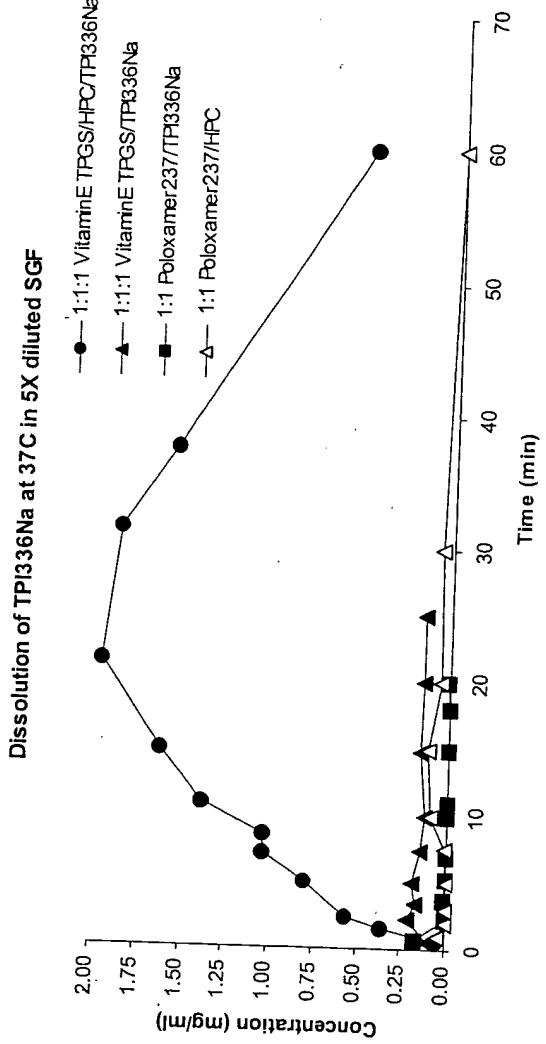


FIGURE 12

FIGURE 13A

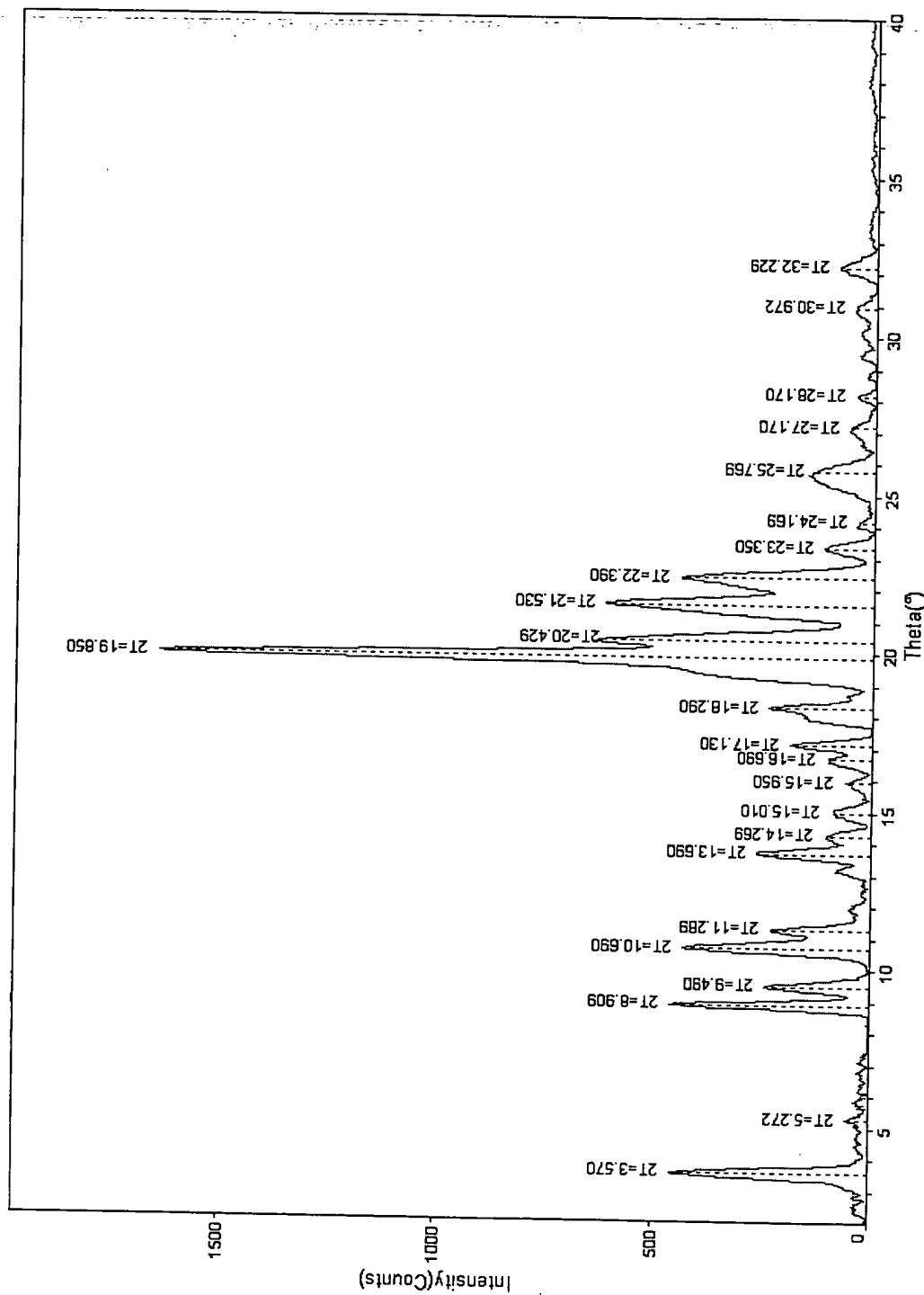
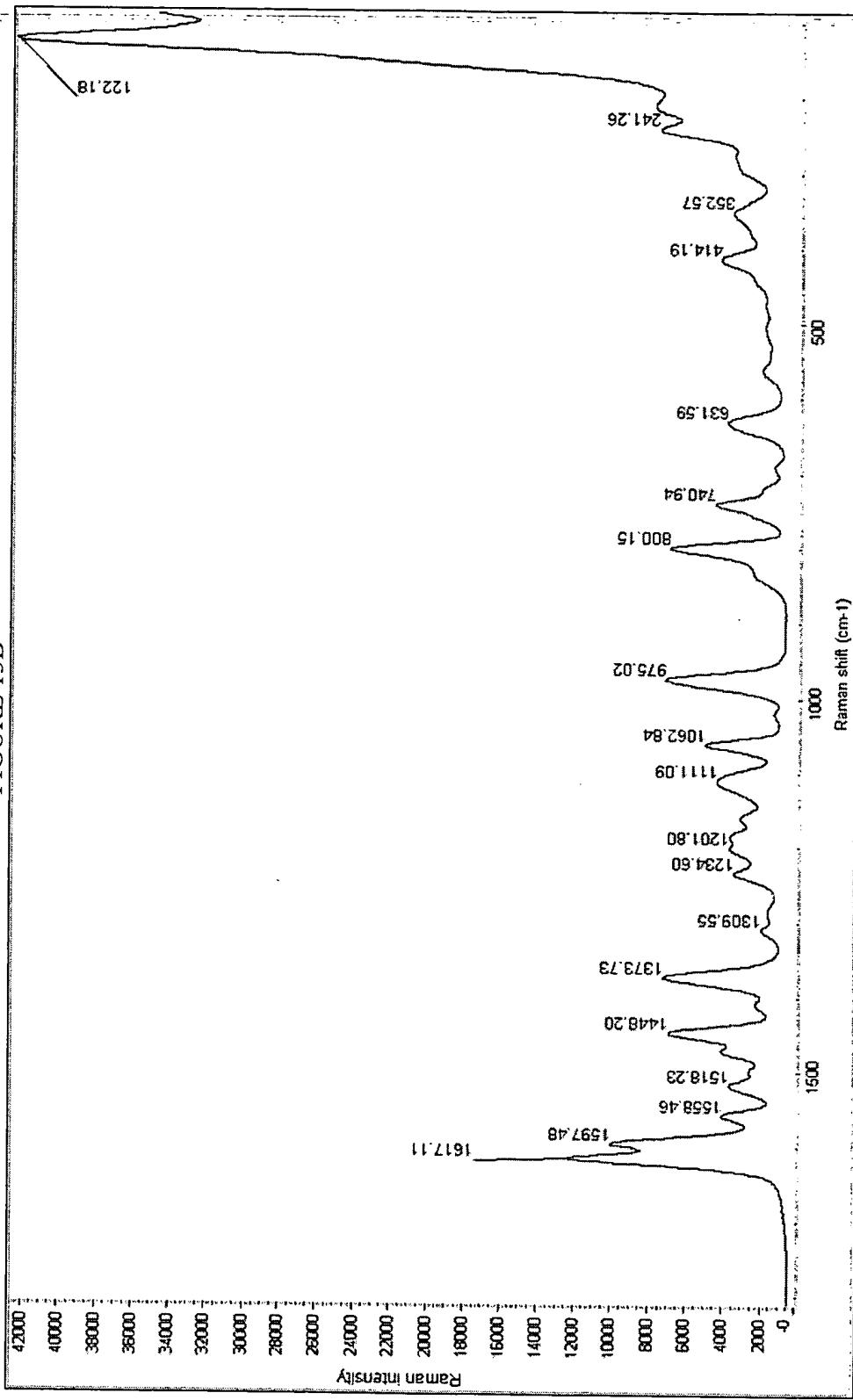


FIGURE 13B



Sample: mo-116-49b-celecoxib-LiOH
Size: 1.5600 mg
Method: Ramp

File: \mo-116-49b_celecoxib-LiOH_inN2.001
Operator: MAO
Run Date: 05-Dec-02 11:28

DSC

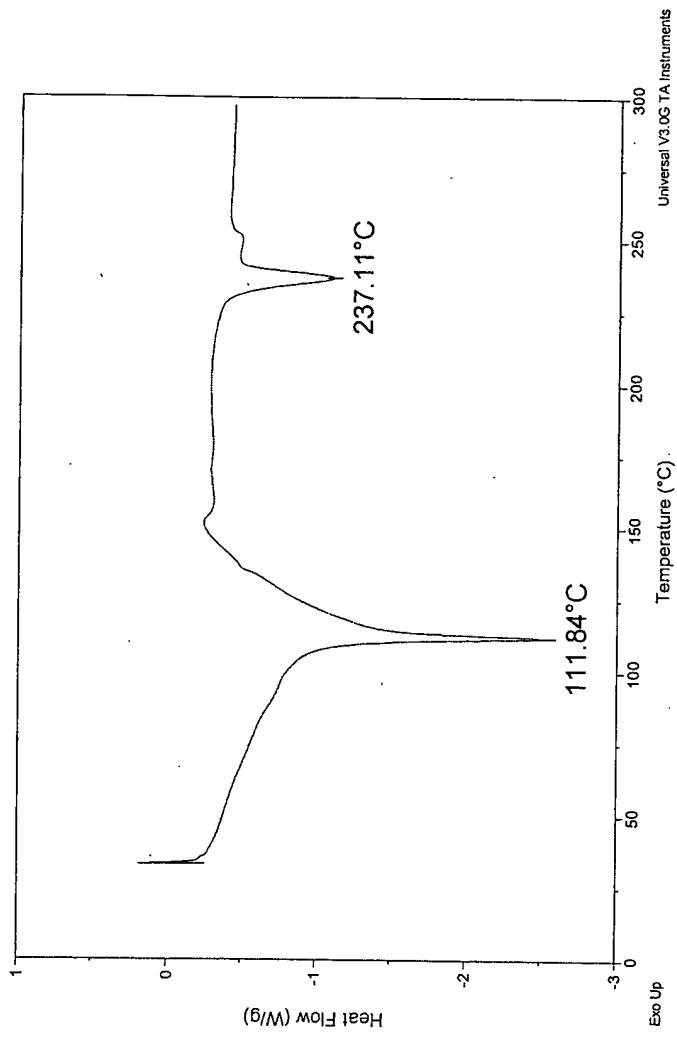


FIGURE 14

Sample: MO-116-49b_celecoxib-Li
Size: 8.2290 mg
Method: Ramp

TGA

File: \\...\\MarkO\\mo-116-49b_celecoxib-Li.001
Operator: MAO
Run Date: 06-Dec-02 16:36

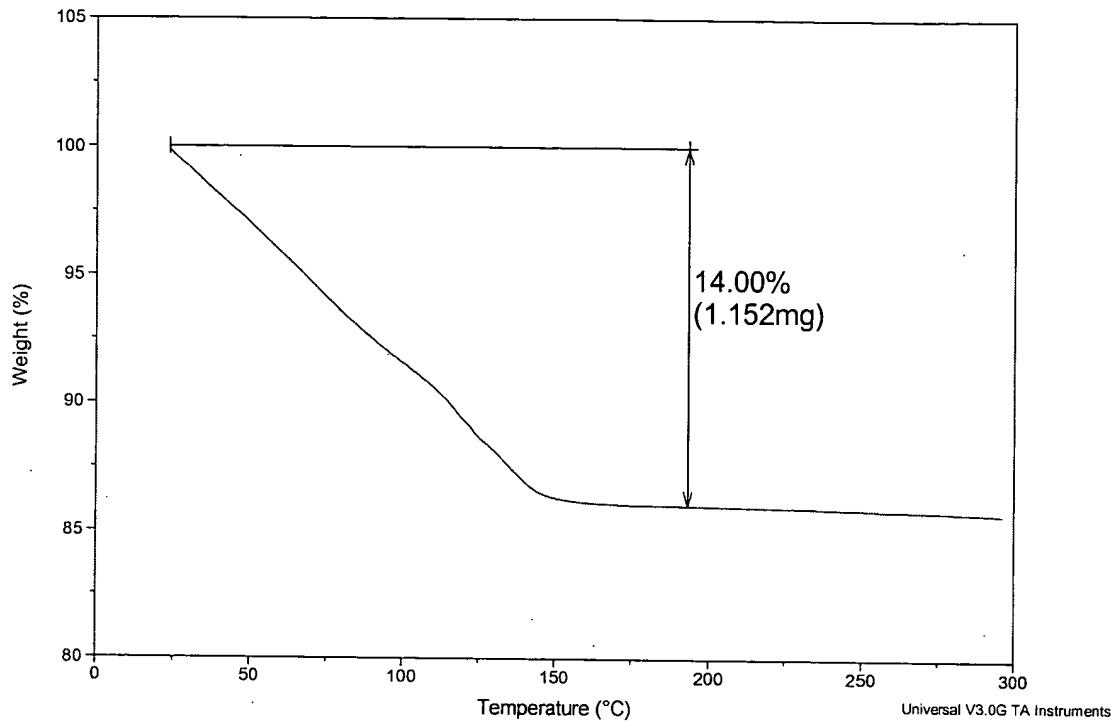


FIGURE 15

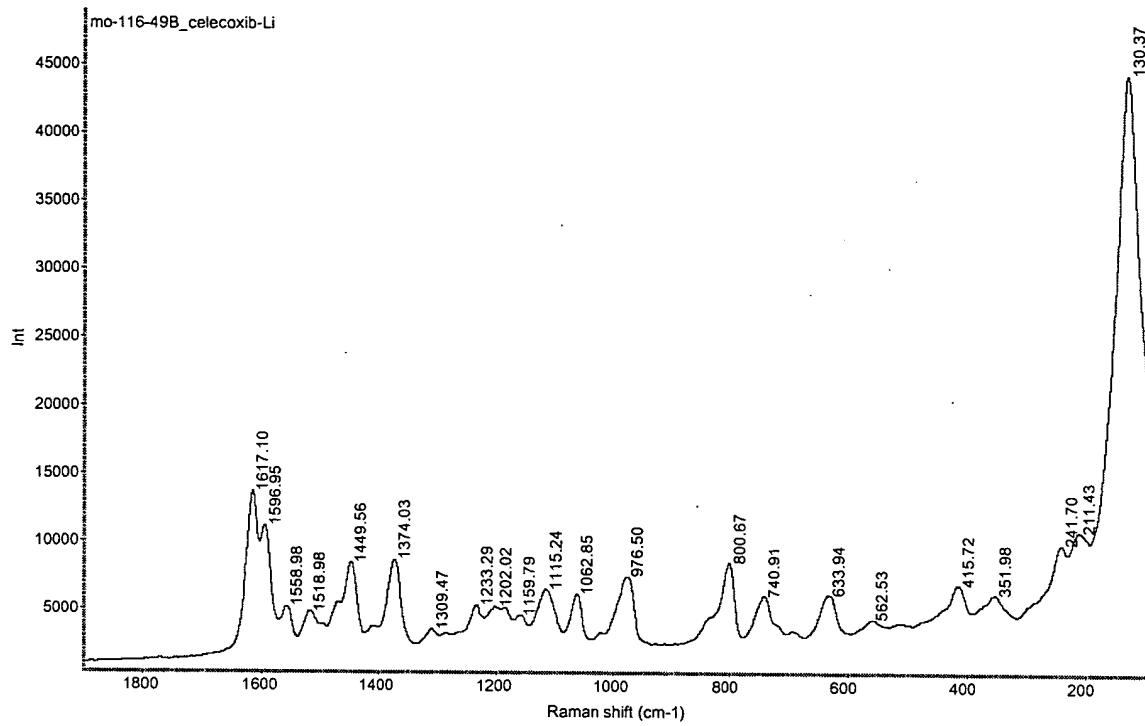


FIGURE 16

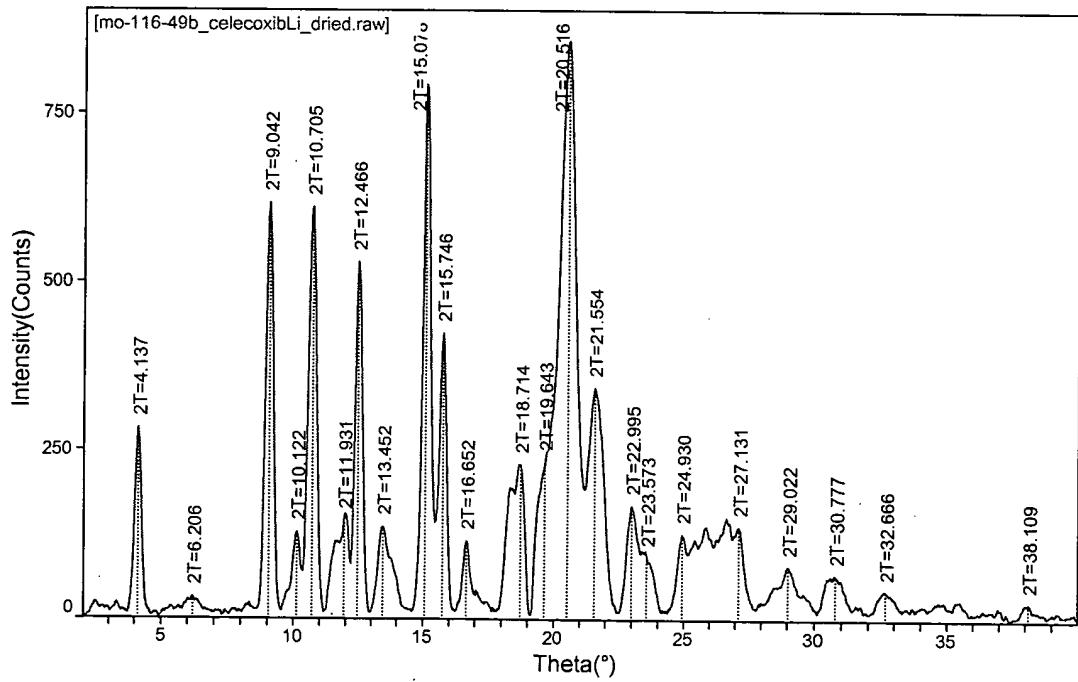


FIGURE 17

Sample: mb-116-49a-celecoxib-KOH
Size: 1.1190 mg
Method: Ramp

DSC

File: \\...\\mo-116-49a_celecoxib-kOH_inN2.001
Operator: MAO
Run Date: 06-Dec-02 10:55

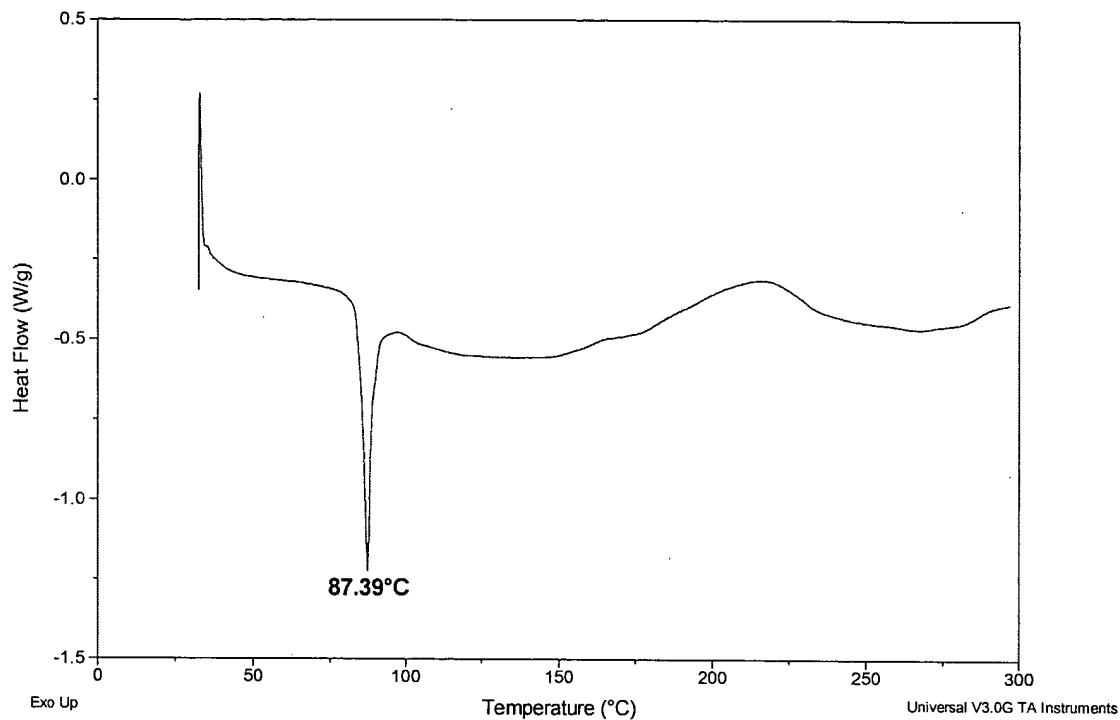


FIGURE 18

Sample: MO-116-49a_celecoxib-K
Size: 5.9890 mg
Method: Stepwise isothermal

TGA

File: \\...\\MarkO\\mo-116-49a_celecoxib-K.001
Operator: MAO
Run Date: 06-Dec-02 11:35

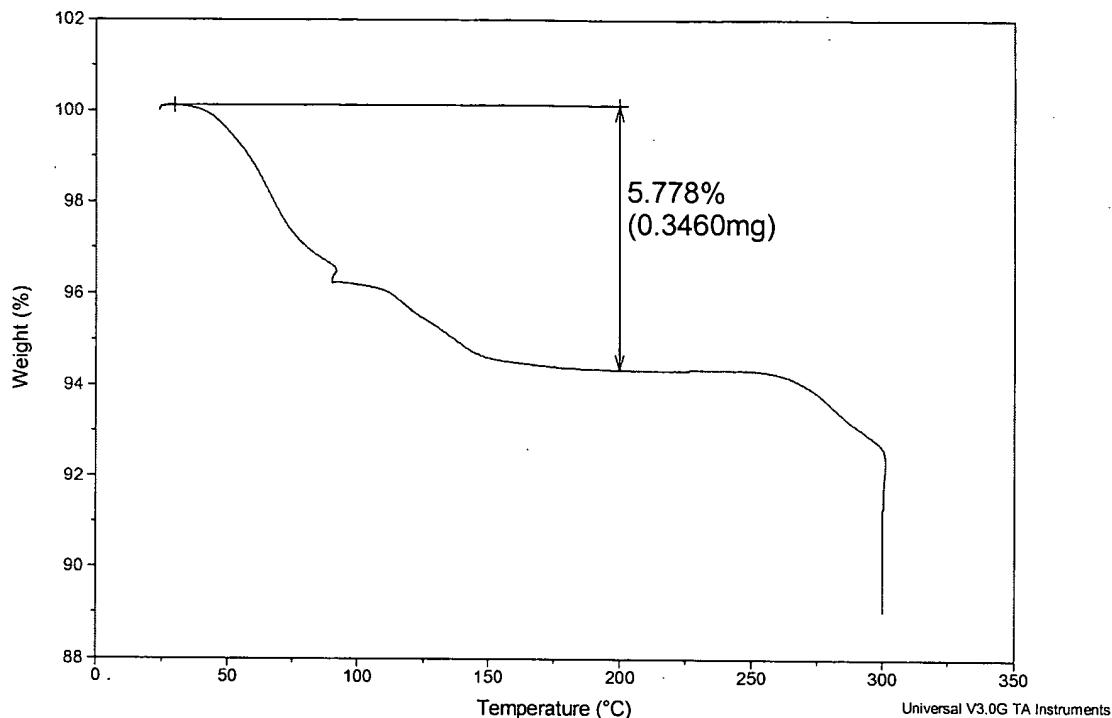


FIGURE 19

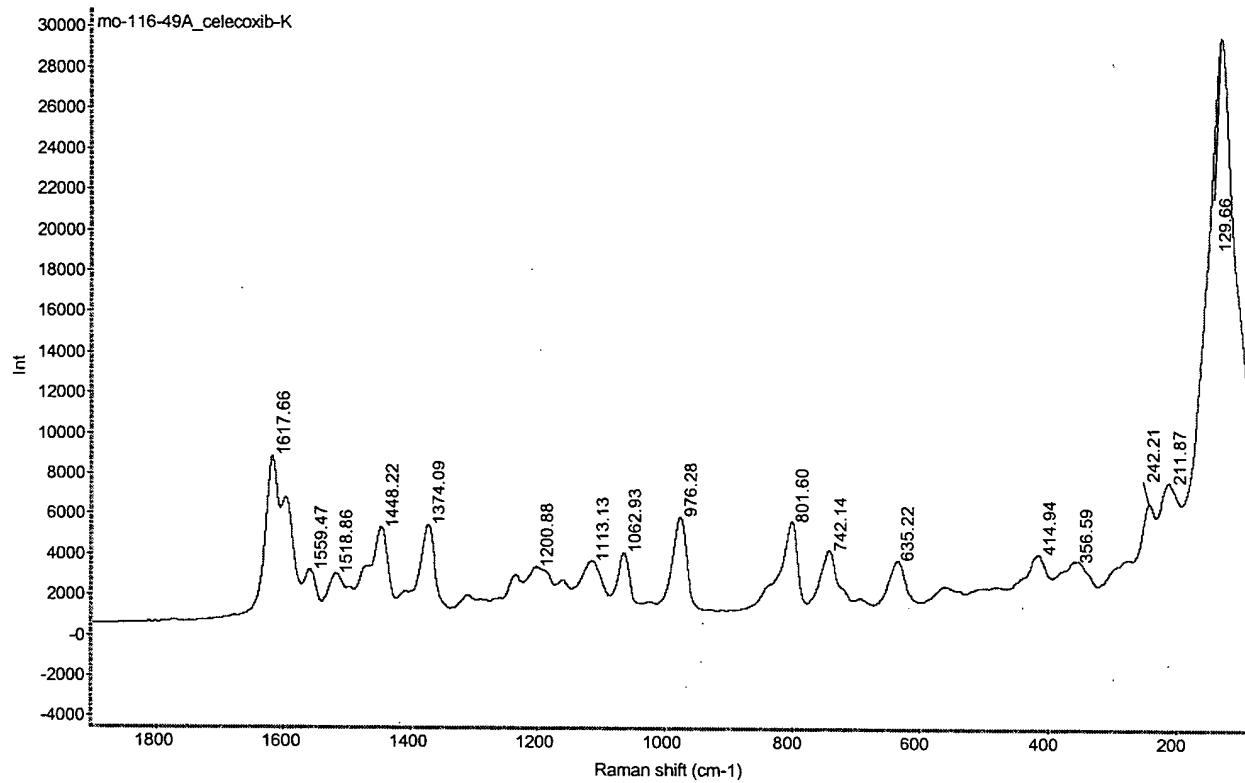


FIGURE 20

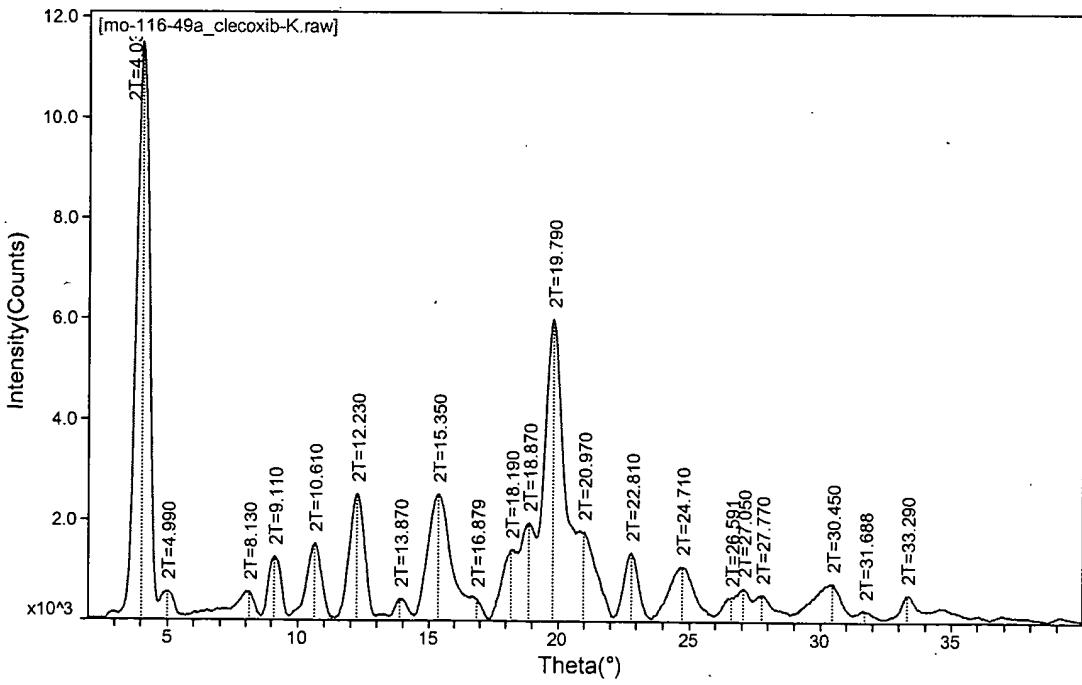


FIGURE 21

Sample: MO-116-55D_celecoxib-K
Size: 5.4470 mg
Method: Ramp
Comment: Residue from bottom phase, dried in nitrogen for 2 days

TGA

File: mo-116-55D_celecoxibK_bottom phase re...
Operator: MAO
Run Date: 13-Dec-02 11:50

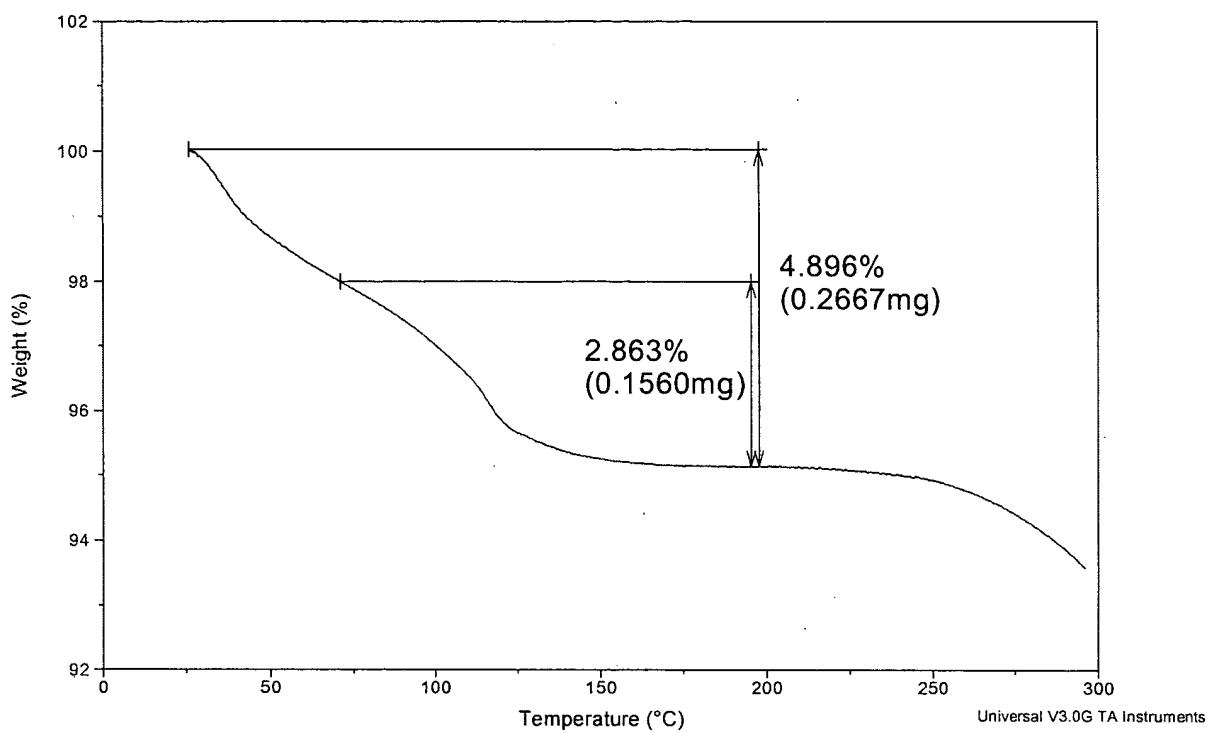


FIGURE 22

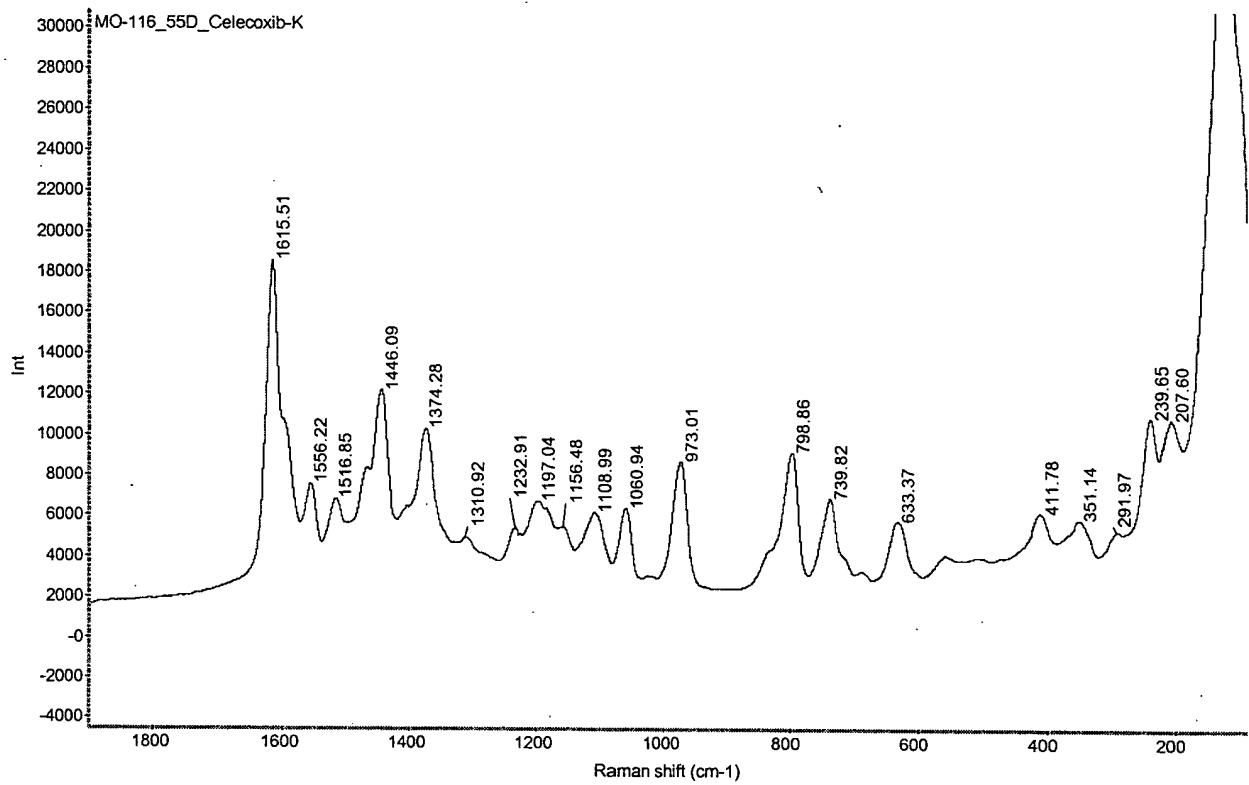


FIGURE 23

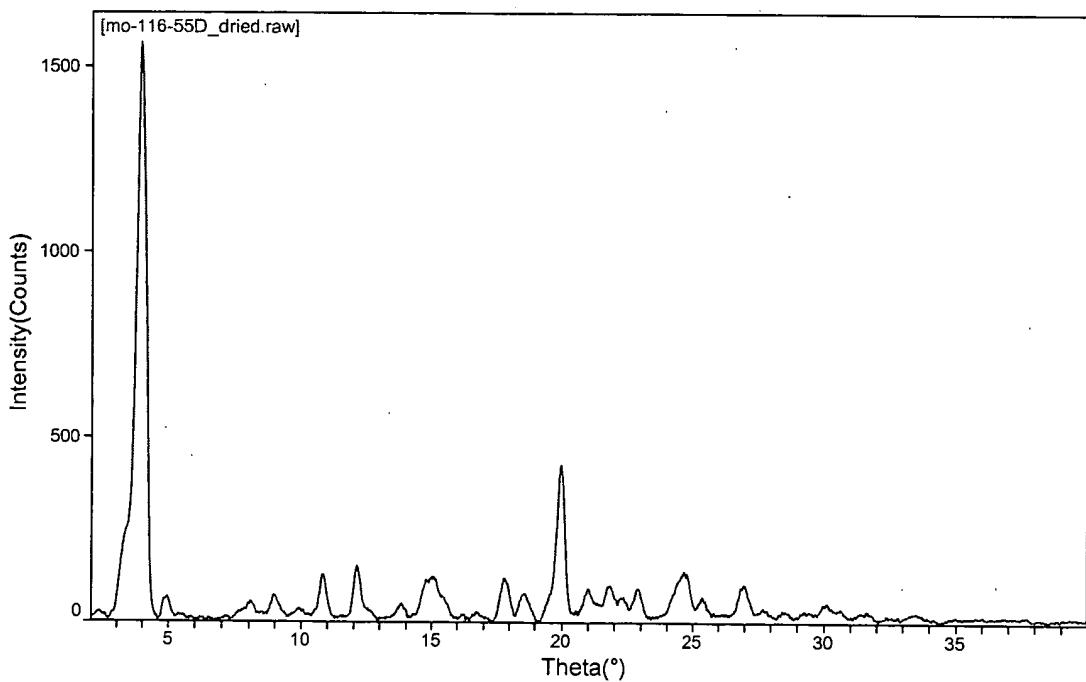


FIGURE 24

Sample: celecoxib-Ca_dried
Size: 3.4140 mg
Method: Ramp
Comment: dried in N2 overnight

TGA

File: V:\mo-11-62A_celecoxib-Ca.003
Operator: MAO
Run Date: 18-Dec-02 11:26

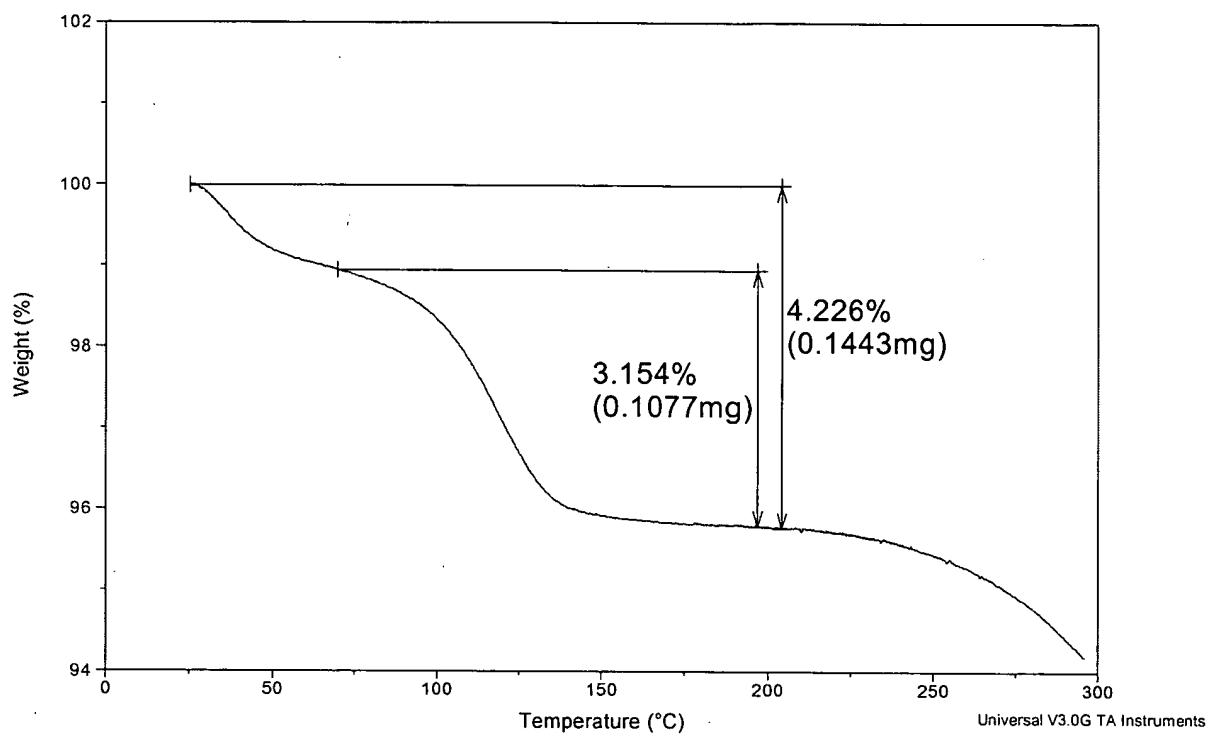


FIGURE 25

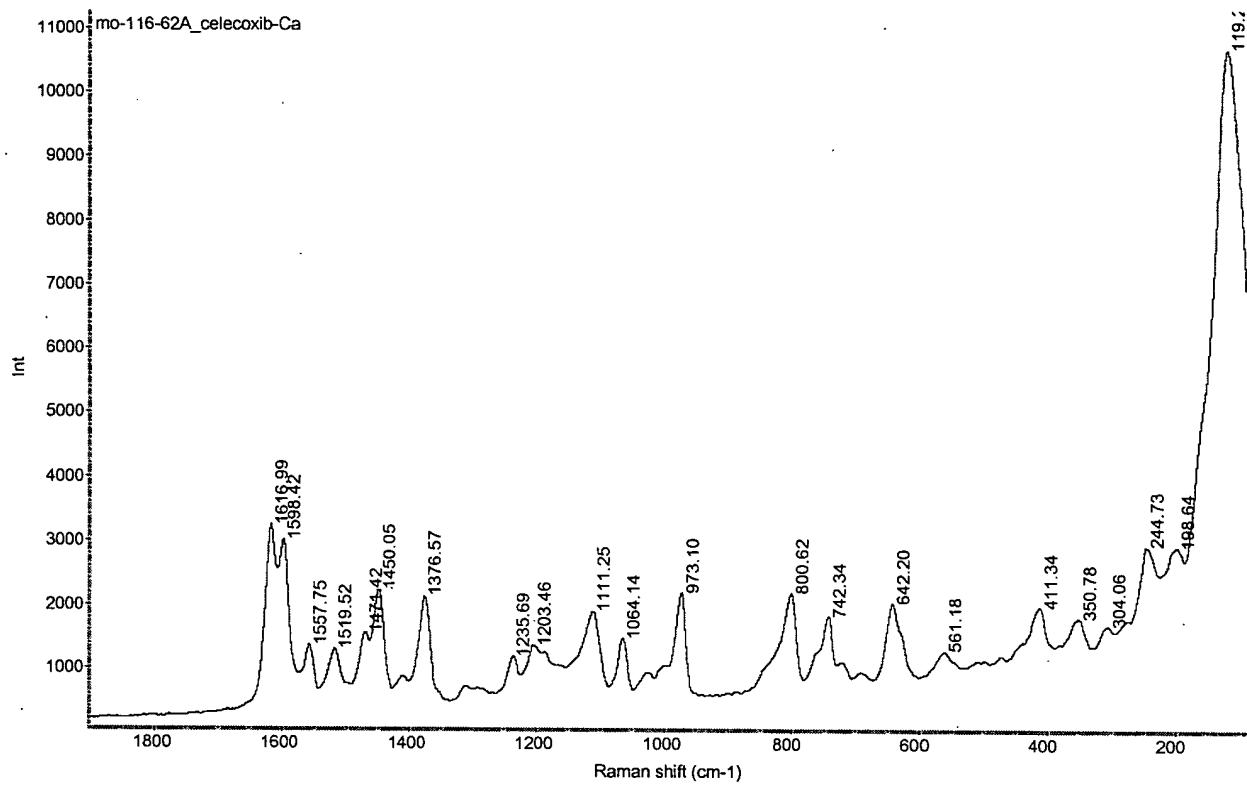


FIGURE 26

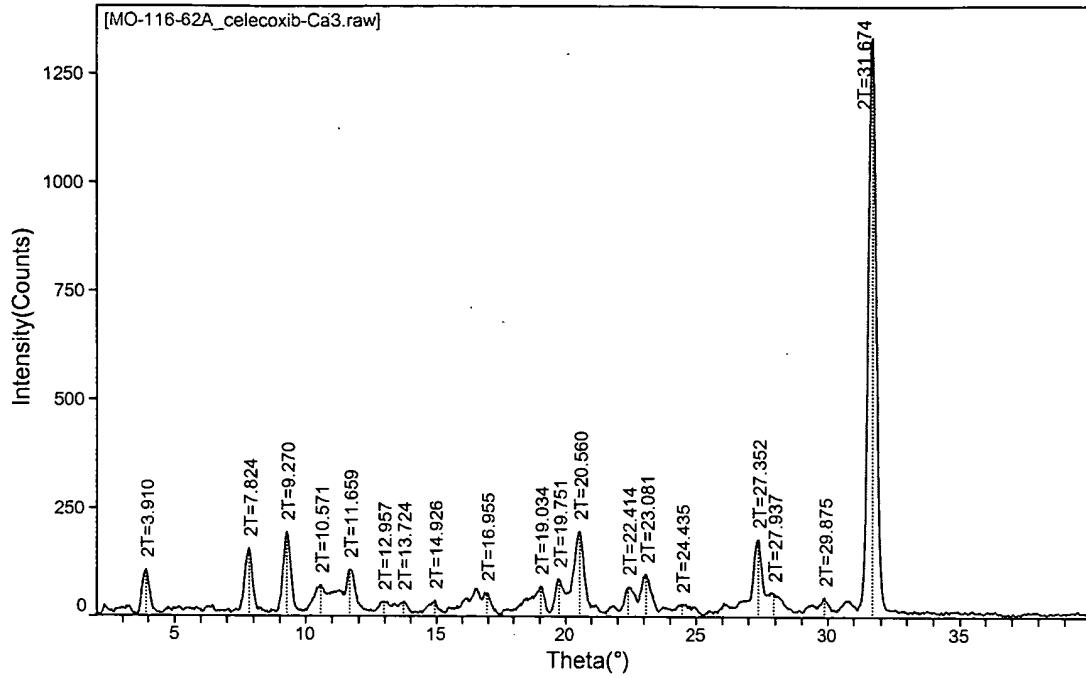


FIGURE 27

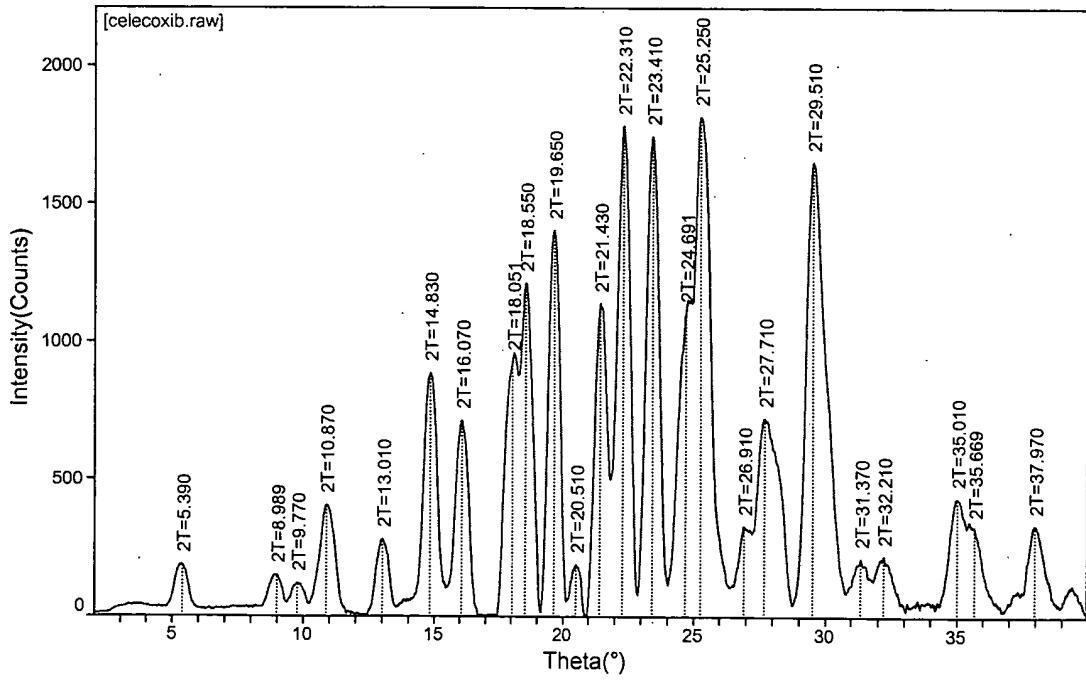


FIGURE 28

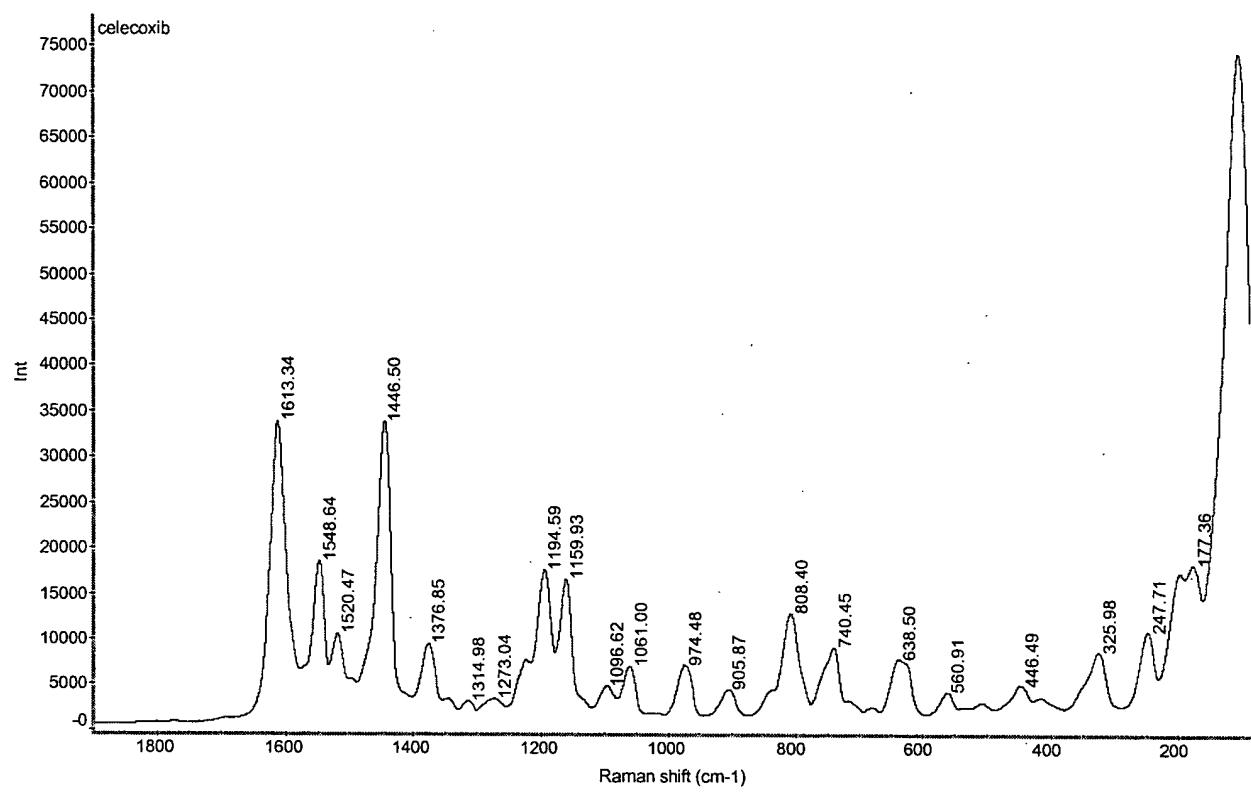


FIGURE 29

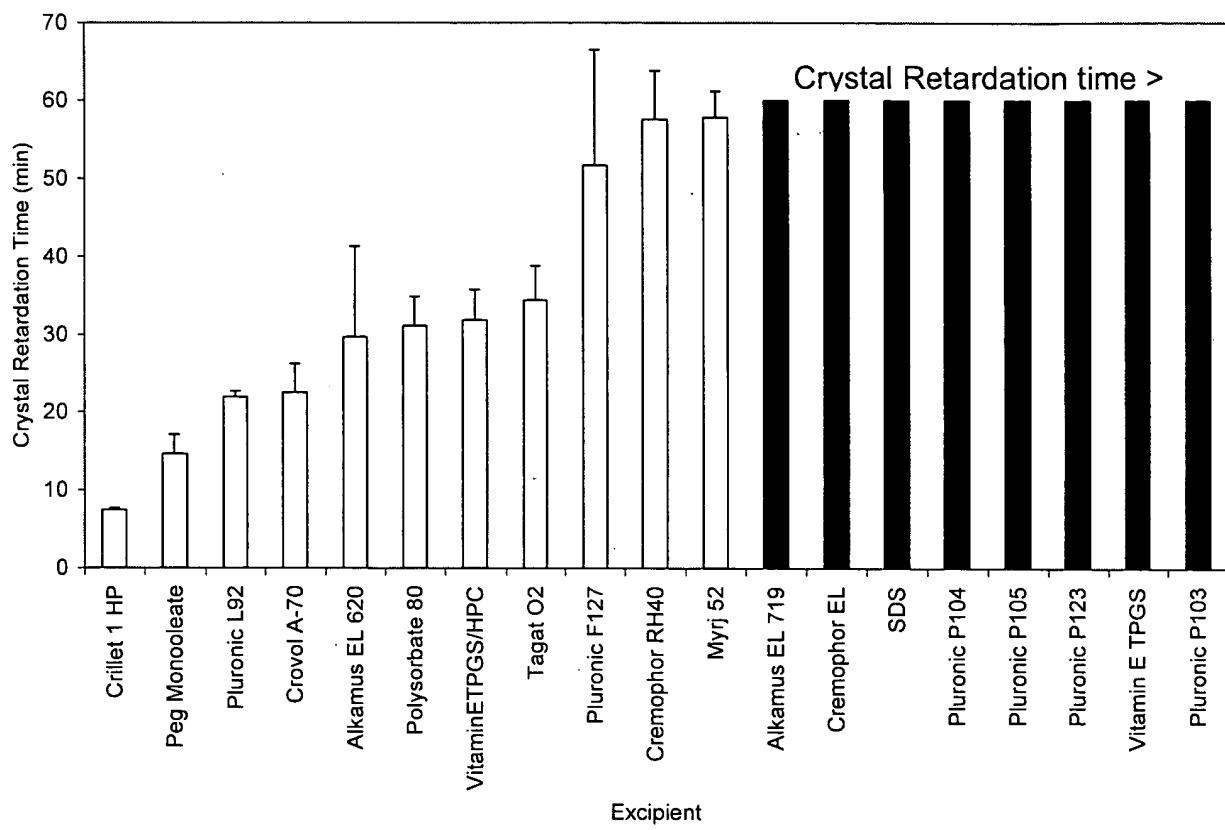


FIGURE 30

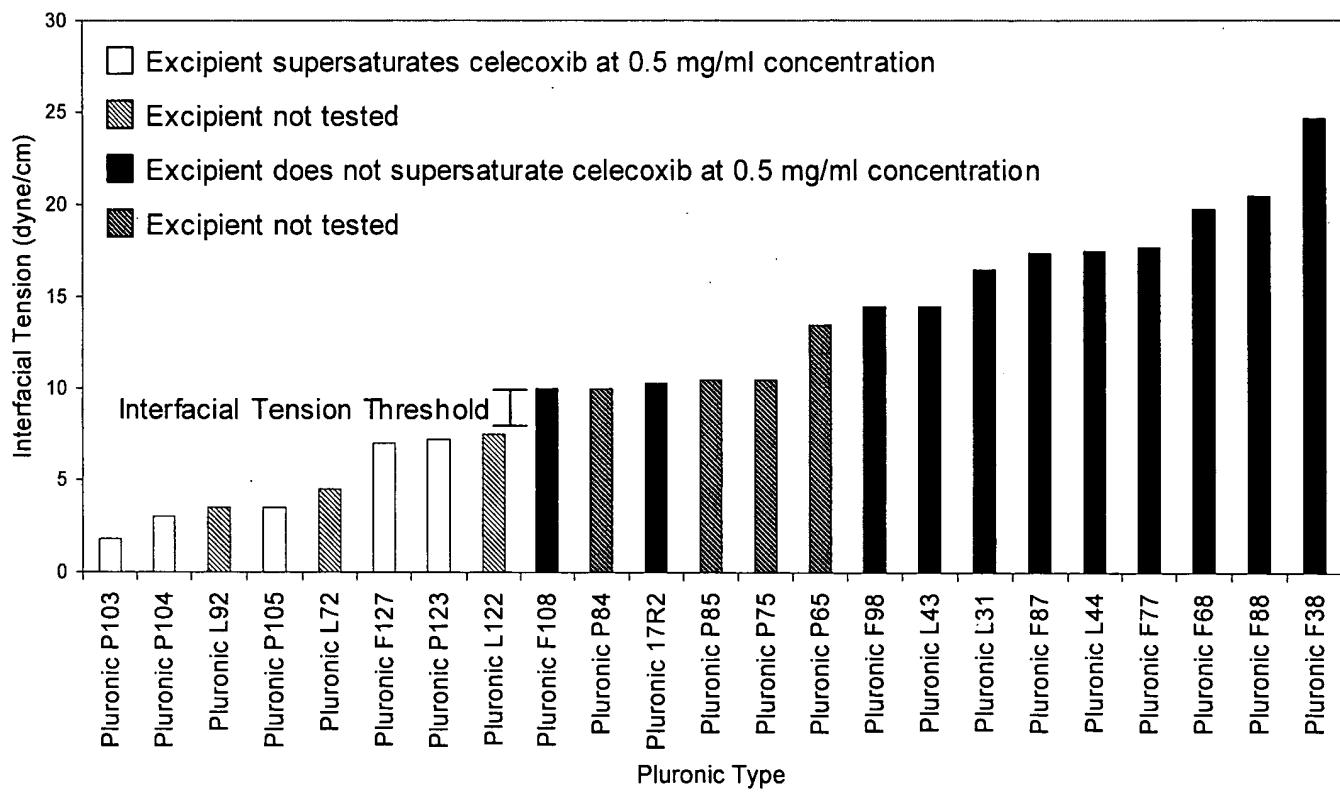


Figure 31

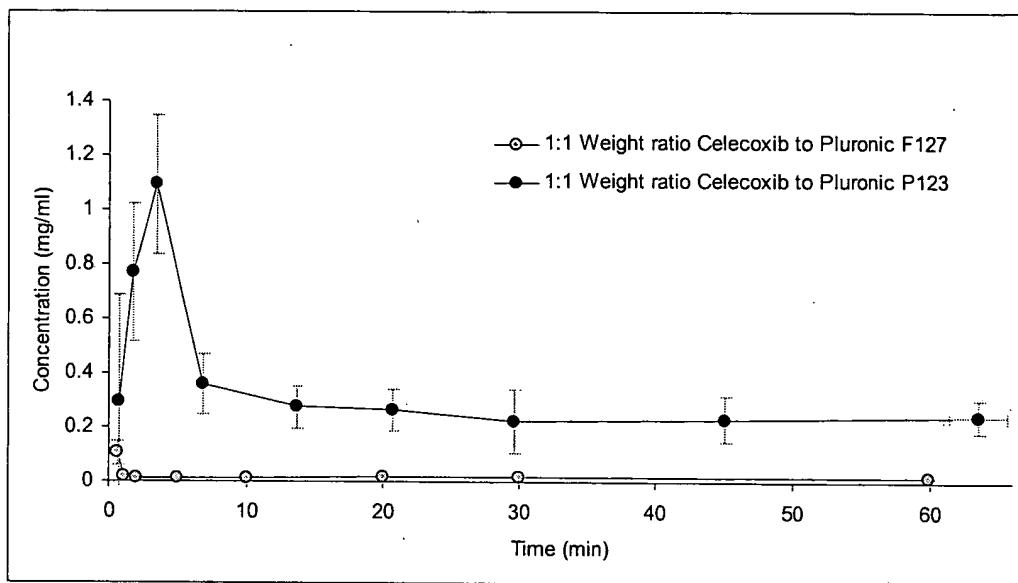


Figure 32

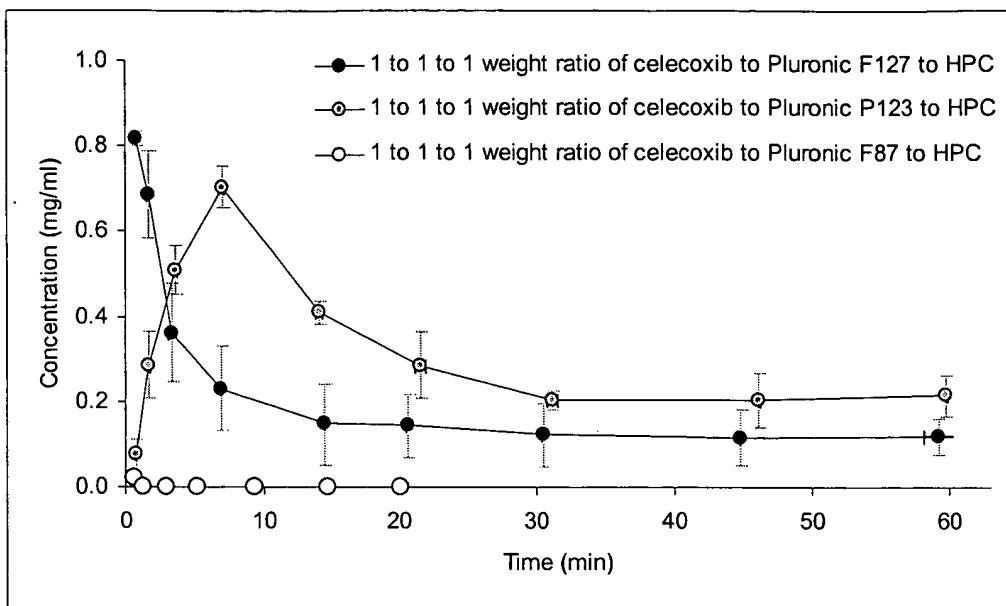


Figure 33

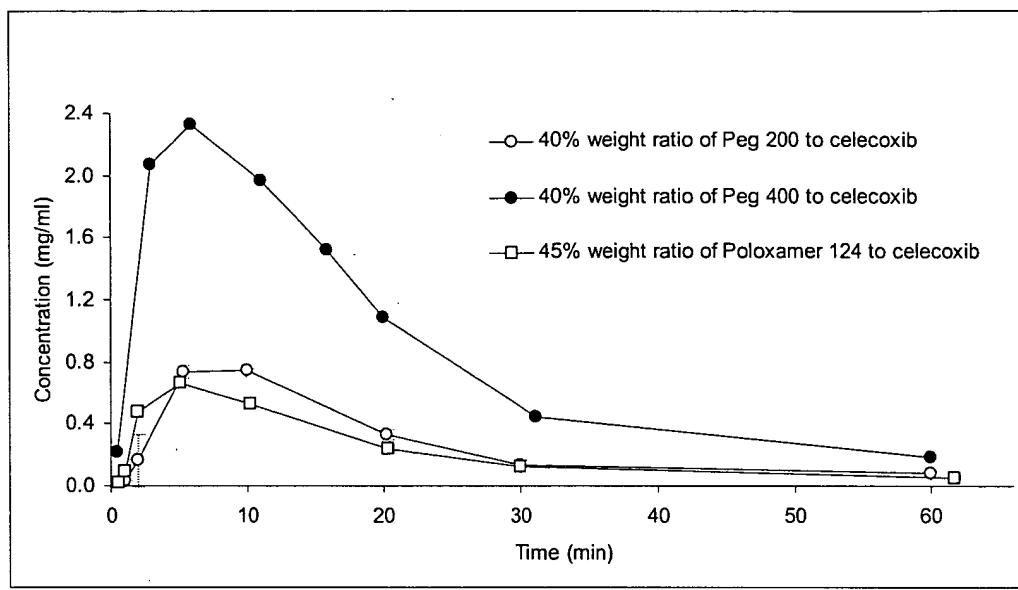


Figure 34

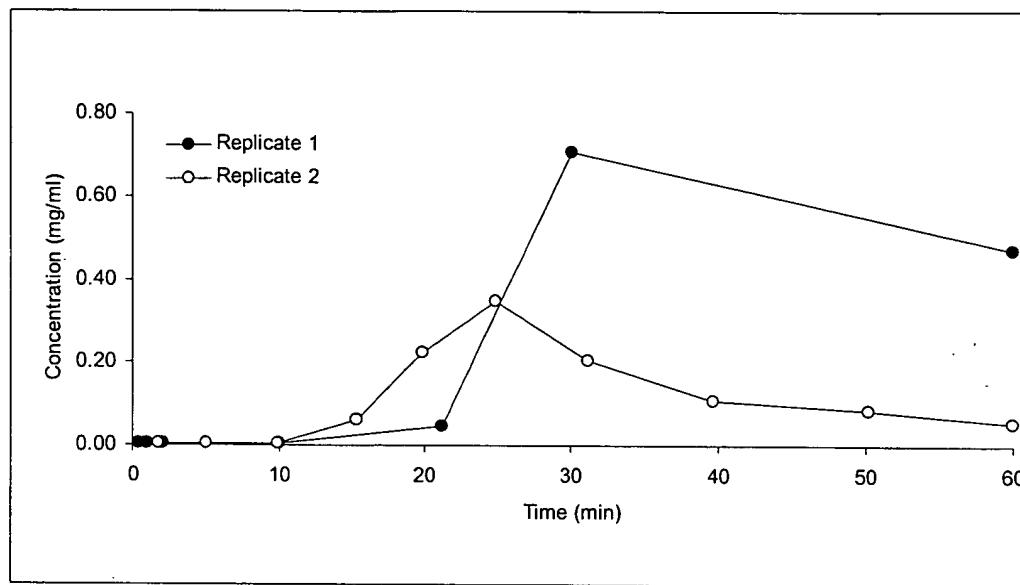


Figure 35

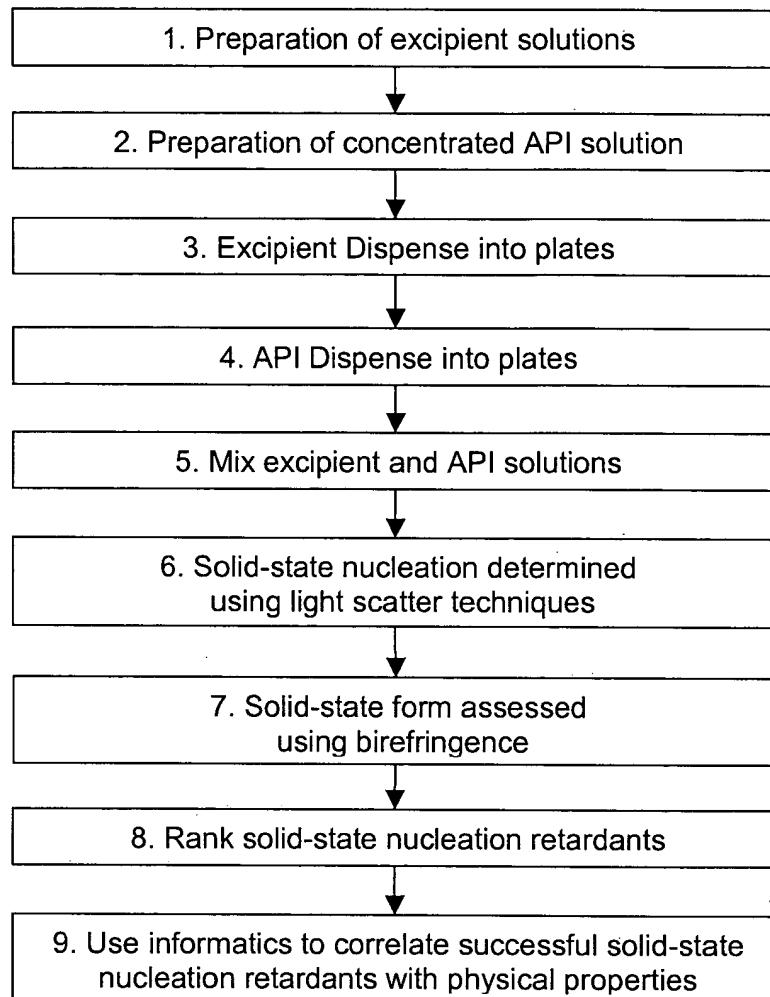


Figure 36

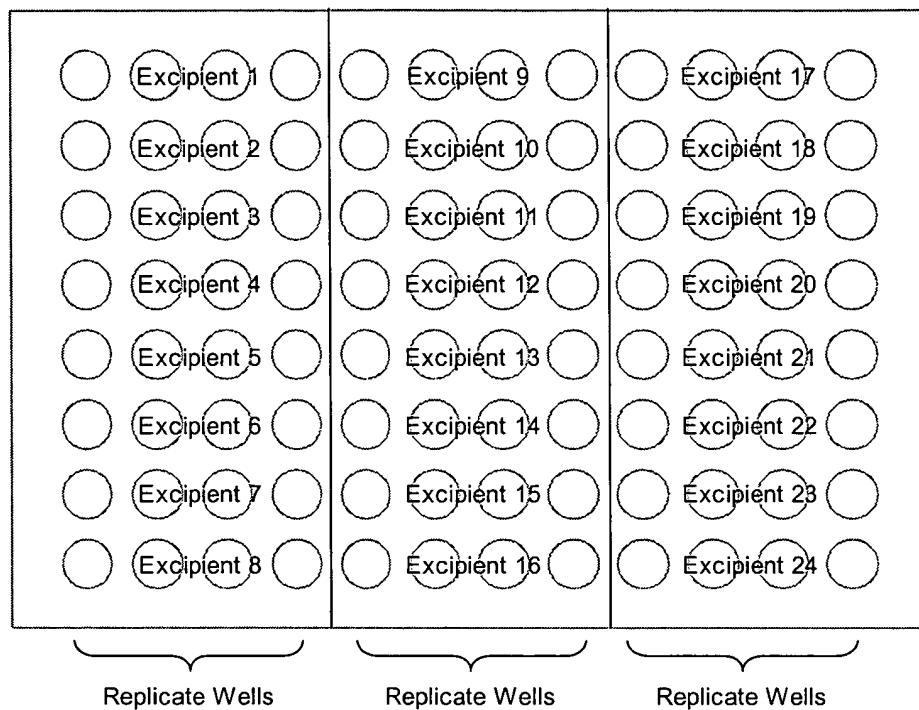


Figure 37

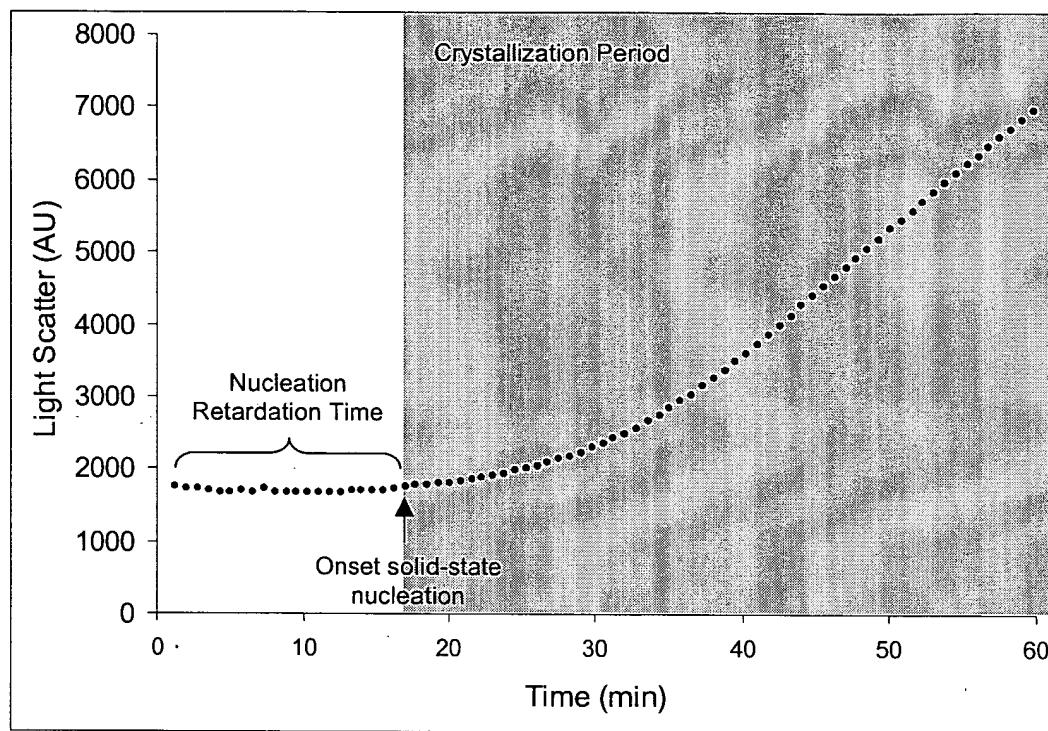


Figure 38

Sample: Celecoxib Na pg from Et2O
Size: 3.0430 mg
Method: Ramp

TGA

File: MT_114_118_A; Celecoxib Na pg
Operator: MDT
Run Date: 26-Nov-02 19:30
Instrument: TGA Q500 V4.7 Build 151

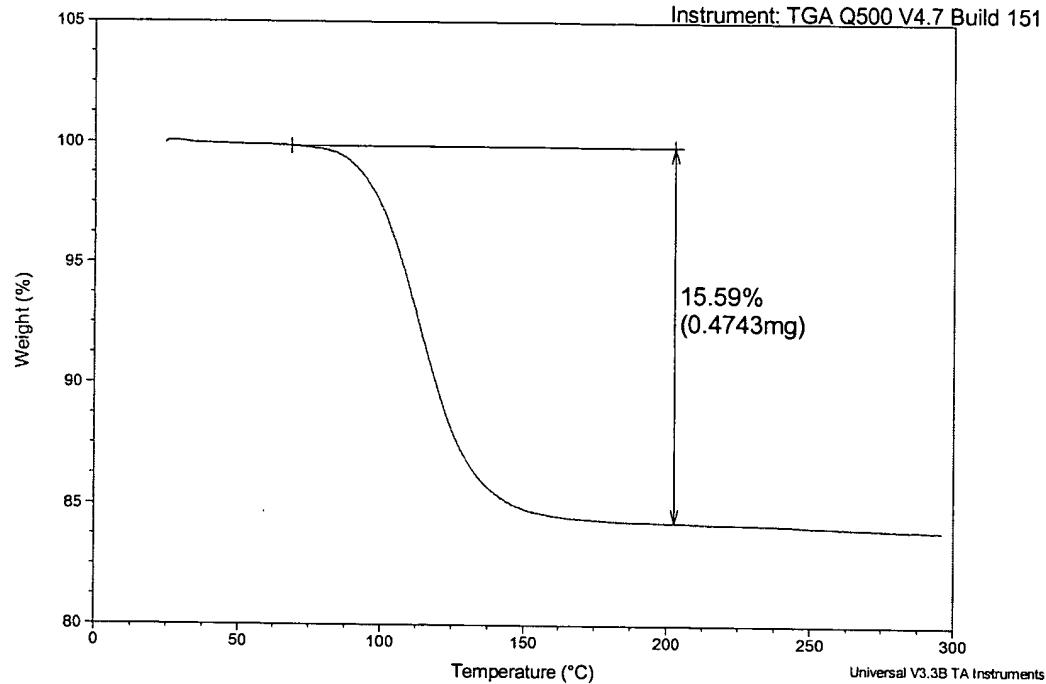


FIGURE 39

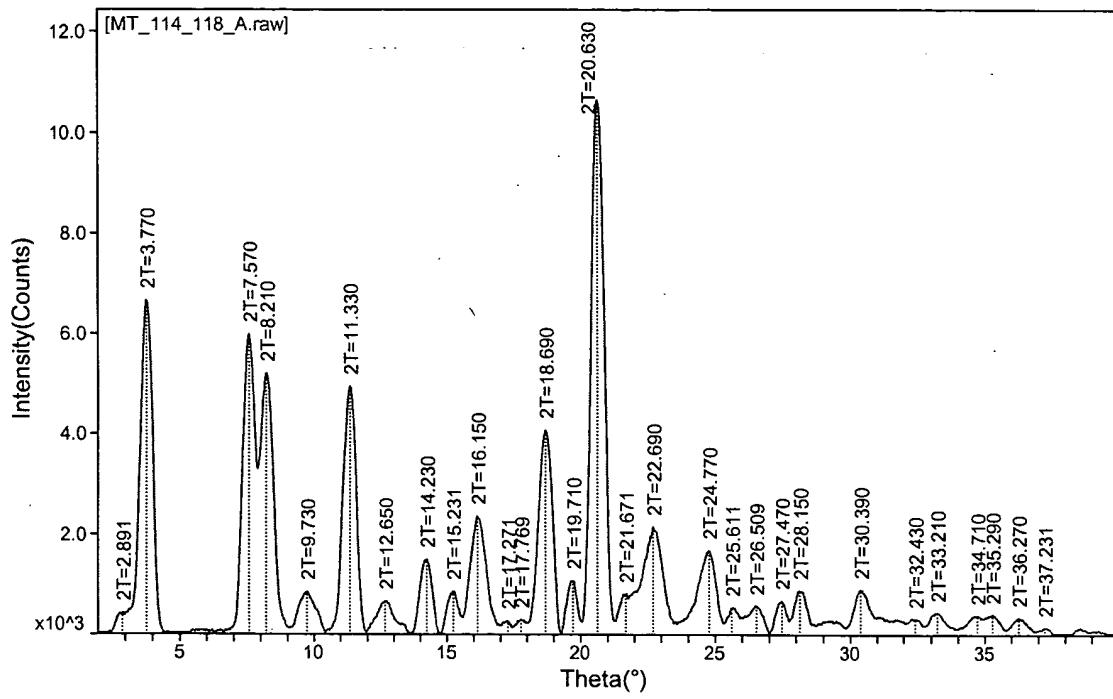


FIGURE 40

Sample: MT_114_139_C; Celecoxib K.pg
Size: 5.5520 mg
Method: Ramp
Comment: from E120

TGA

File: \..\TA\Data\TGAI\MTawa\MT_114_139_C.001
Operator: MDT
Run Date: 20-Dec-02 14:19
Instrument: TGA Q500 V4.7 Build 151

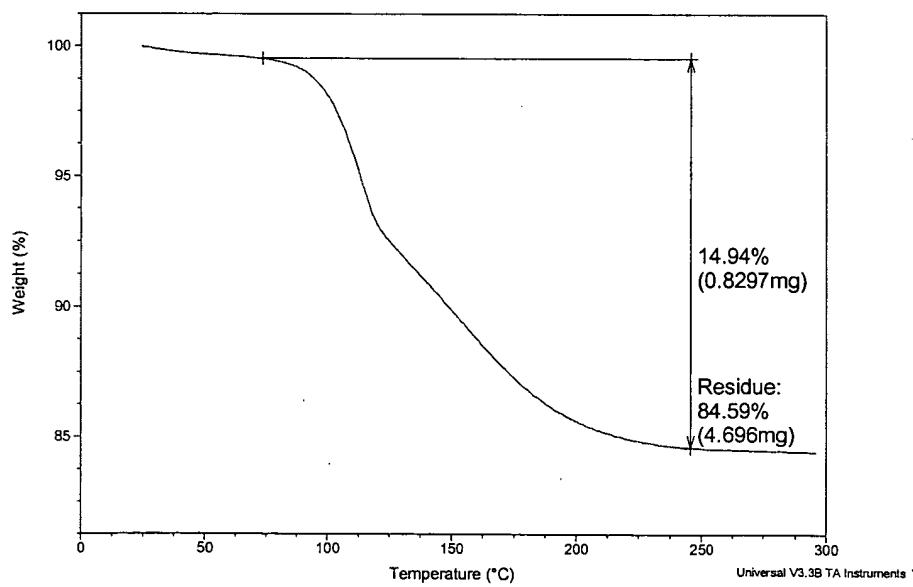


FIGURE 41

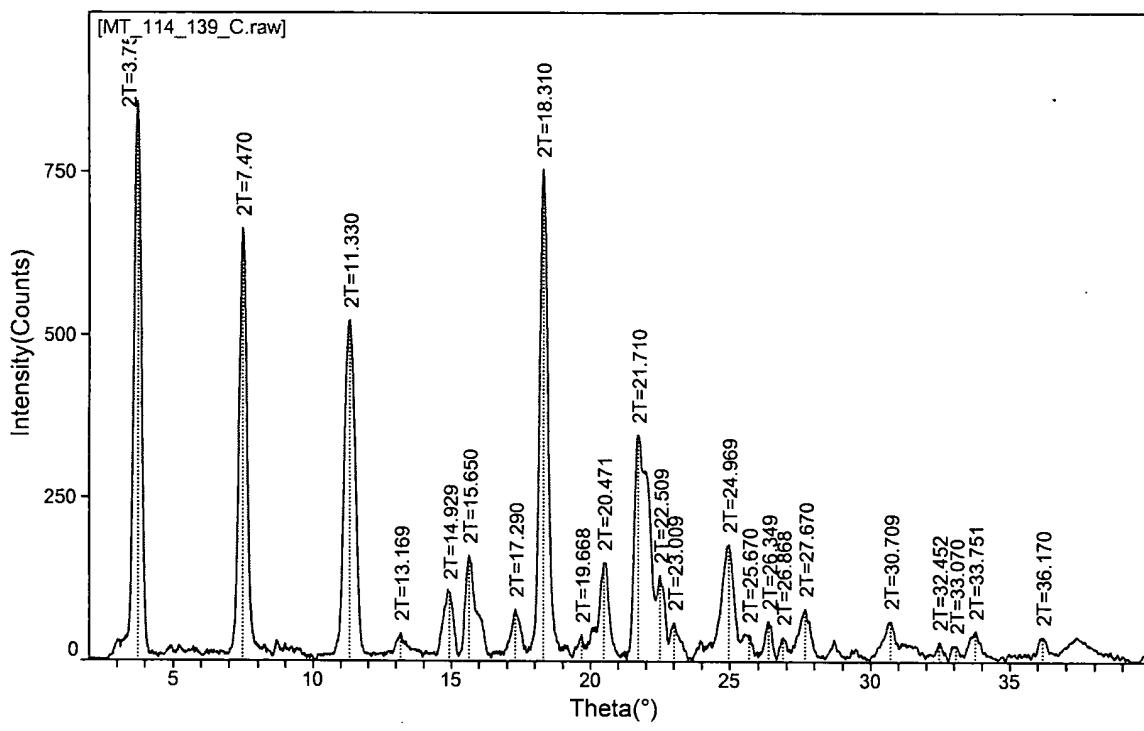


FIGURE 42

Sample: Celecoxib Li pg
Size: 3.4520 mg
Method: Ramp
Comment: from Et₂O with tBuLi

TGA

File: \\...\\TA\\Data\\TGA\\MTawa\\MT_114_141_A.001
Operator: MDT
Run Date: 23-Dec-02 15:39
Instrument: TGA Q500 V4.7 Build 151

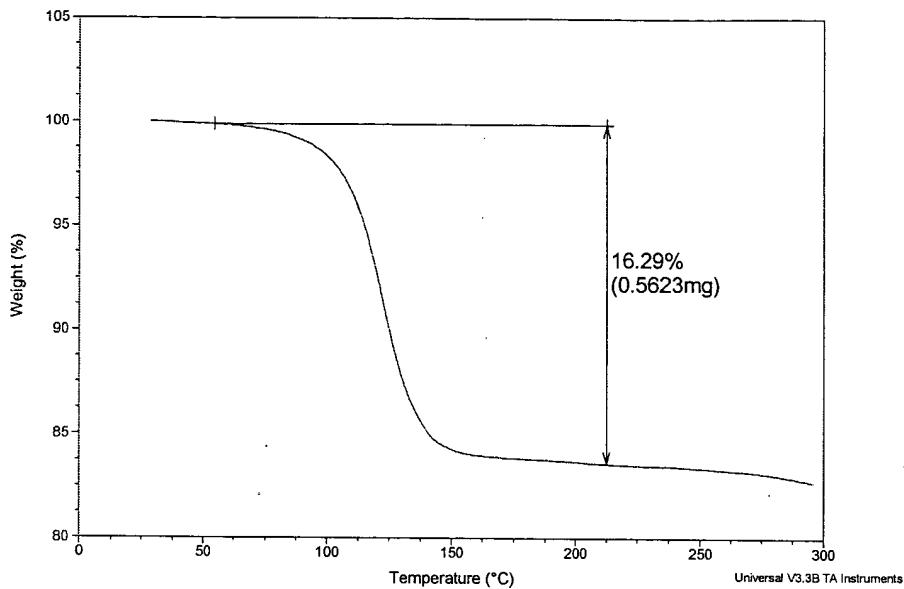


FIGURE 43

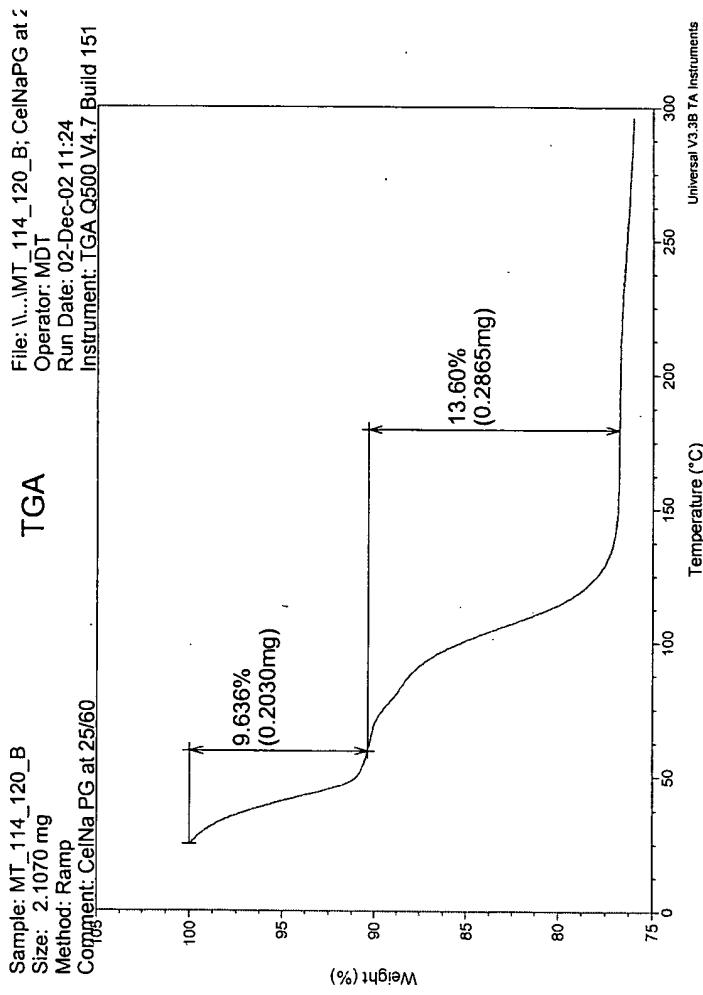
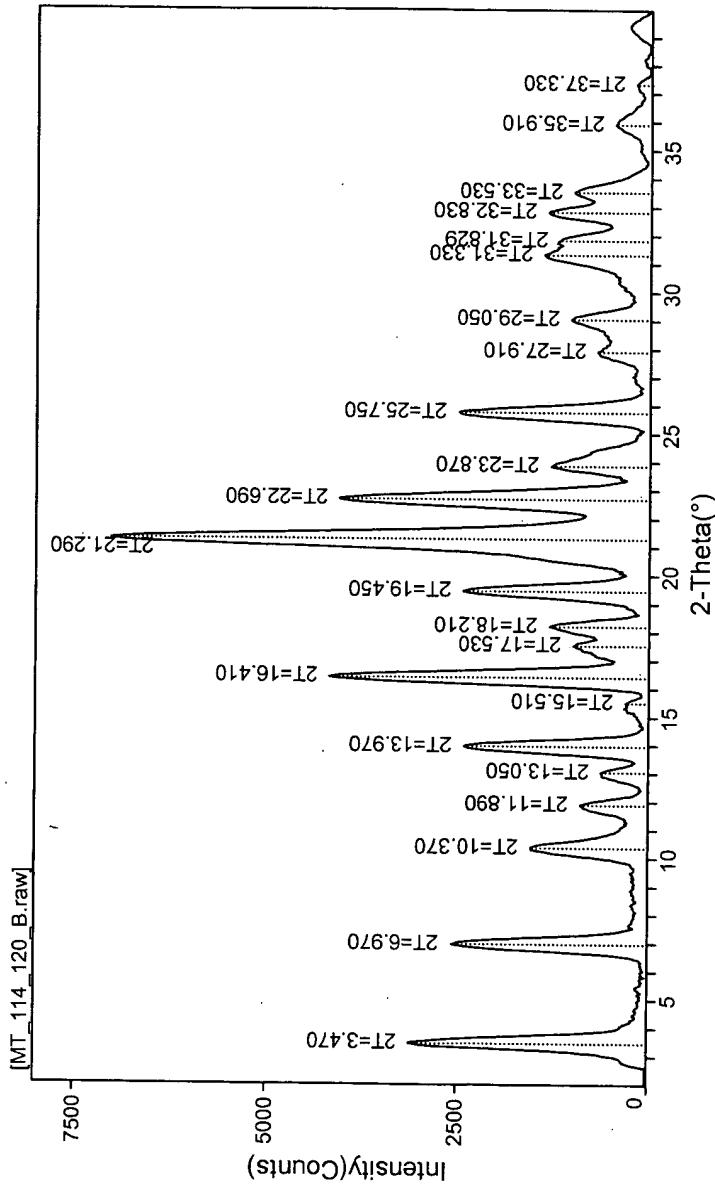


FIGURE 44

FIGURE 45



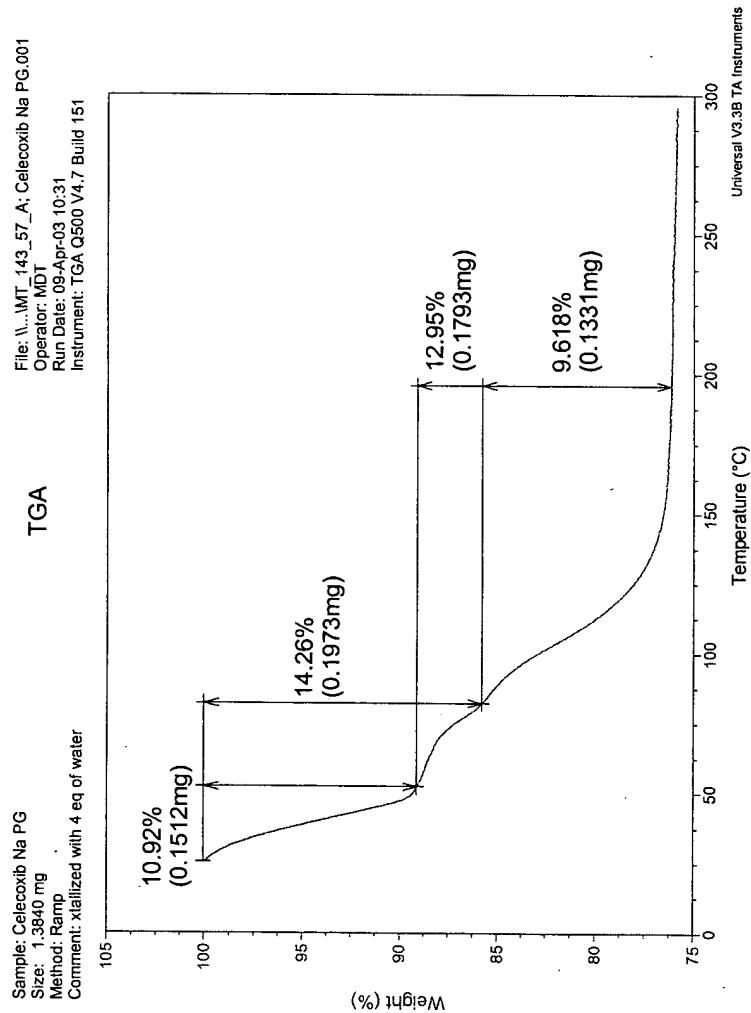


FIGURE 46

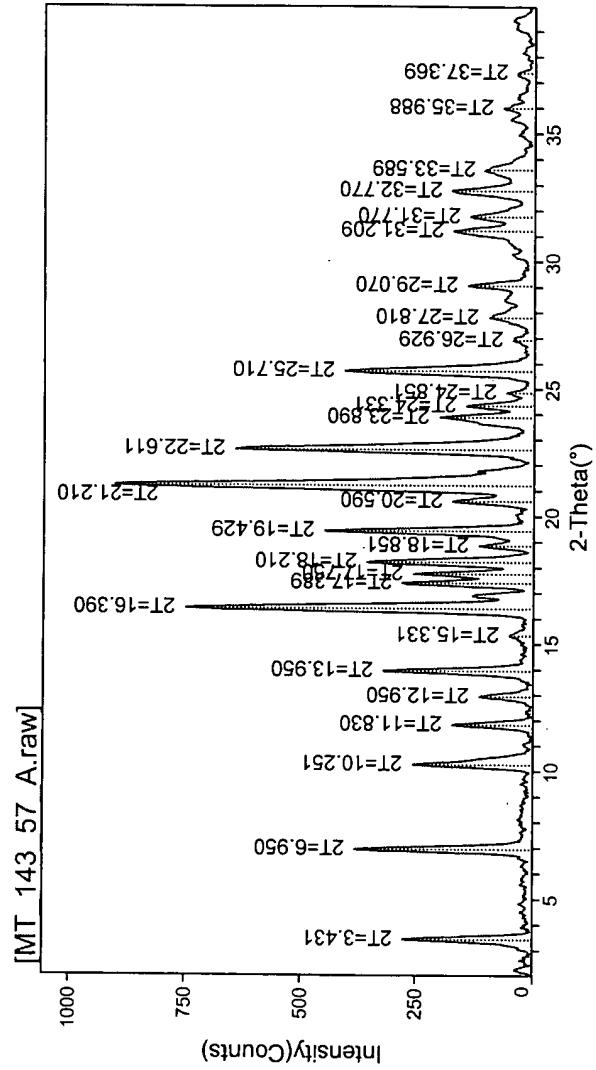


FIGURE 47

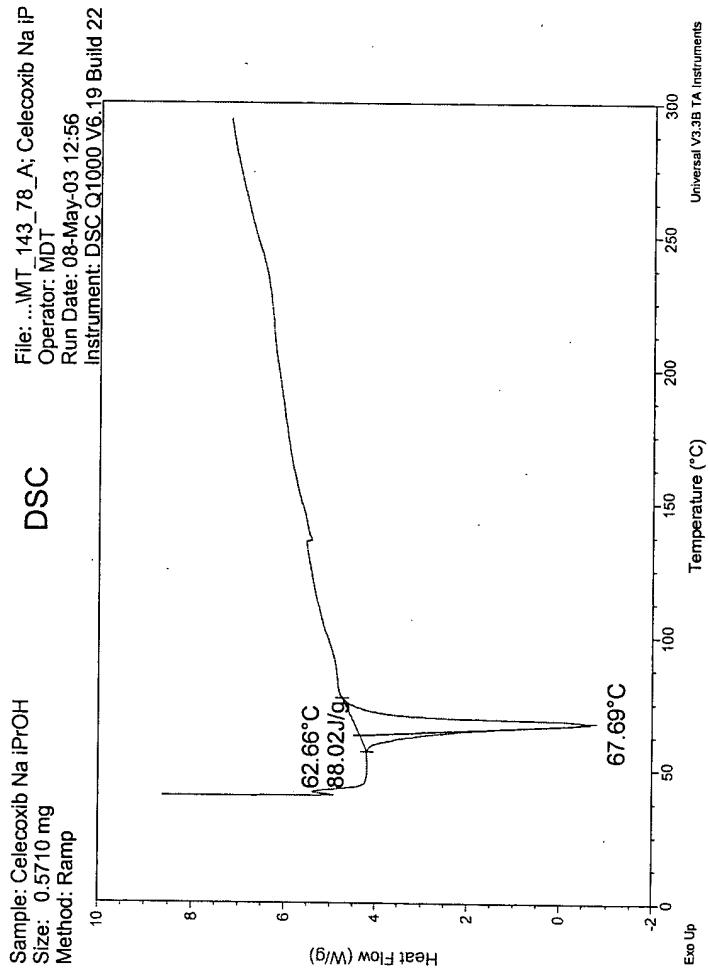


FIGURE 48

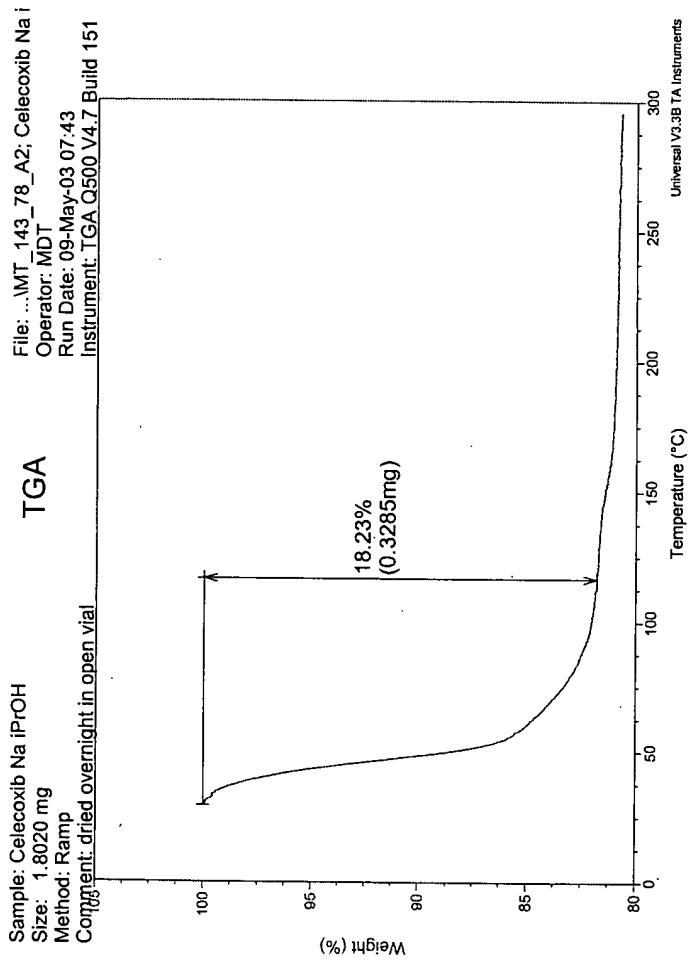
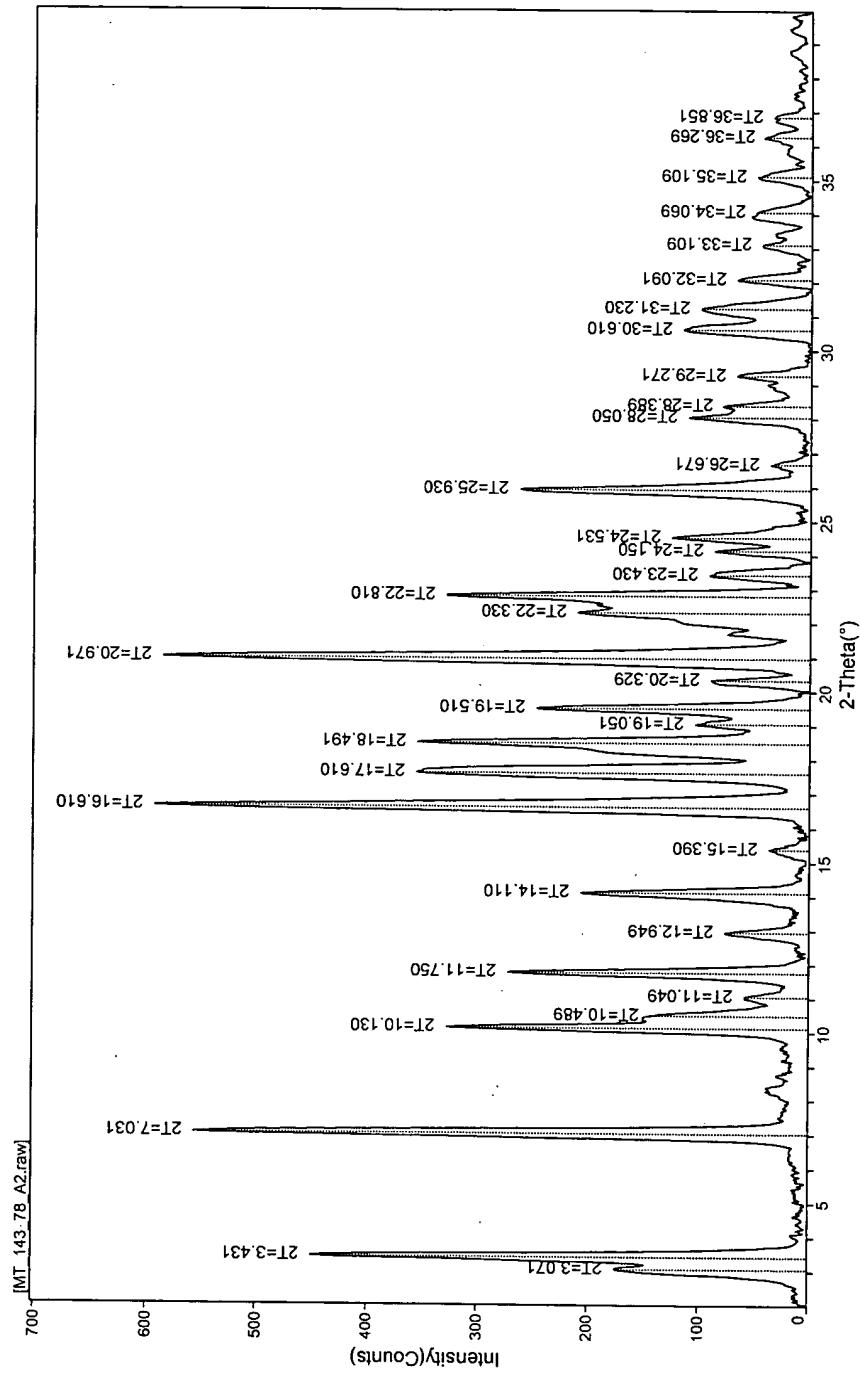


FIGURE 49

FIGURE 50



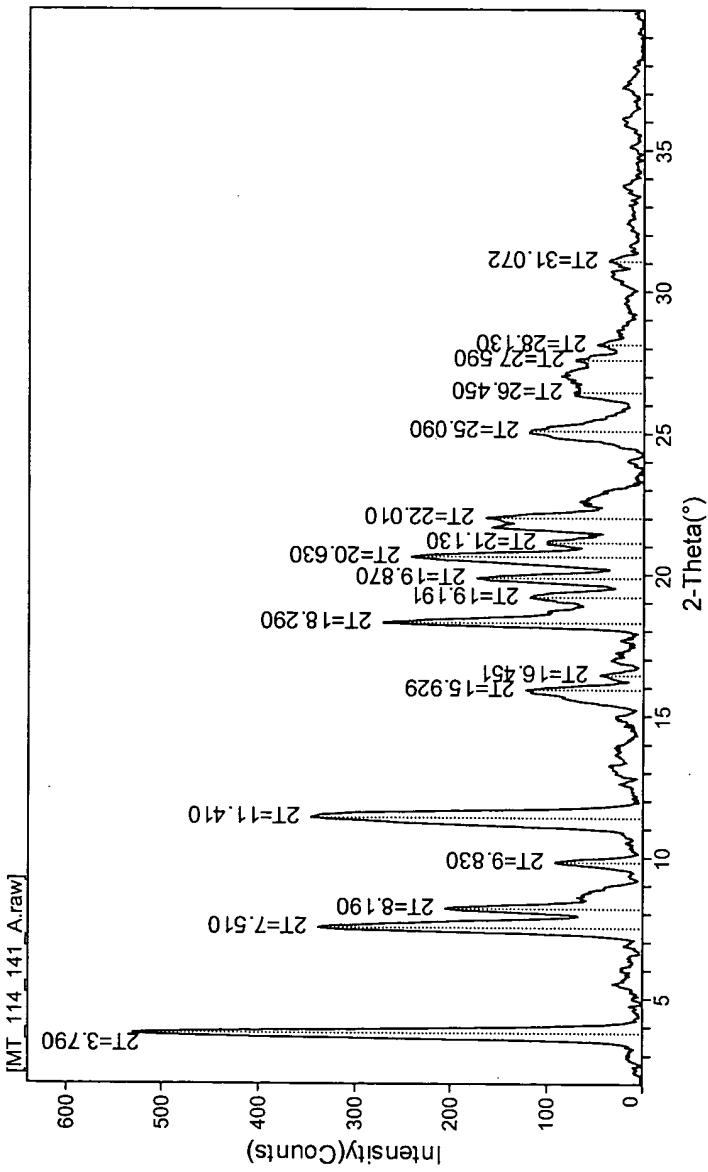


FIGURE 51

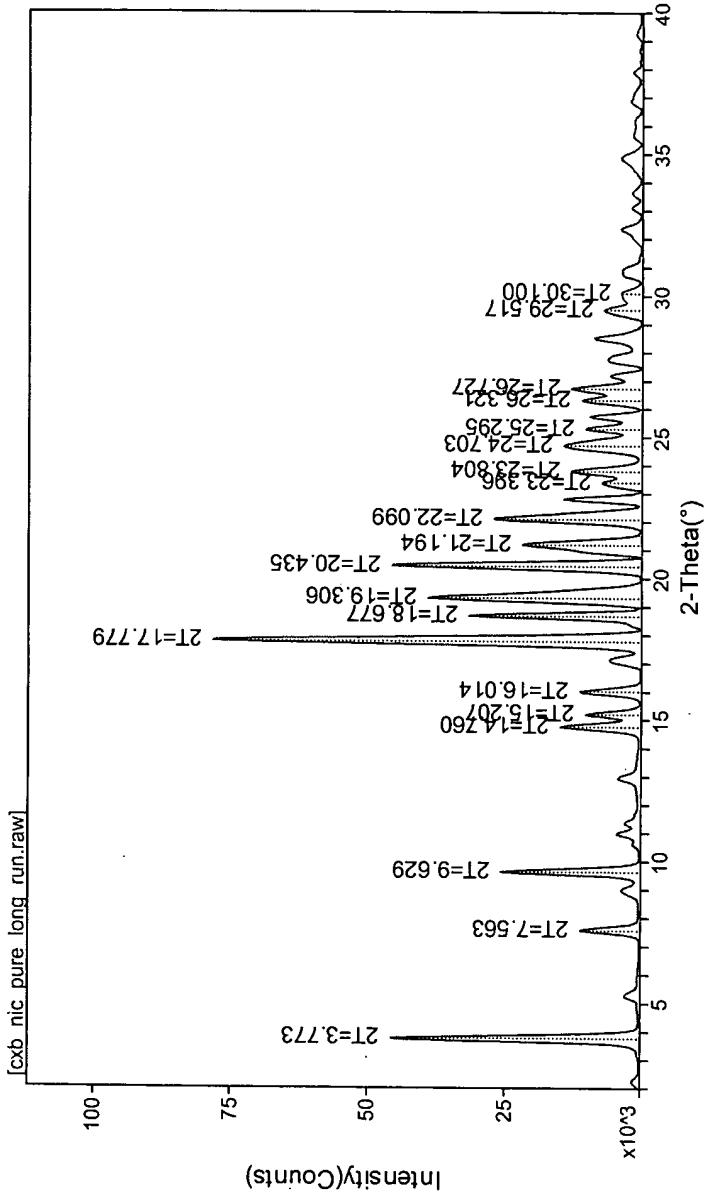


FIGURE 52

17% RH

Celecoxib Na hydrate

Batch No. MT_138_A

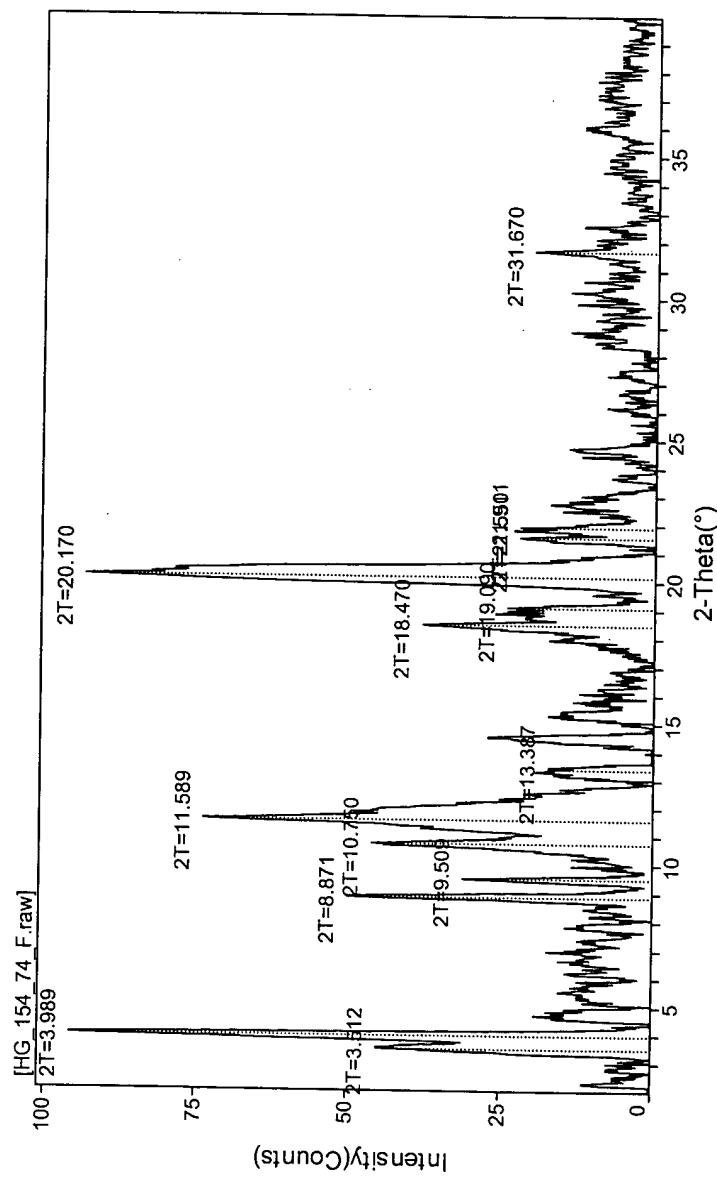


Figure 53

31% RH

Celecoxib Na hydrate

Batch No. MT_143_138_A

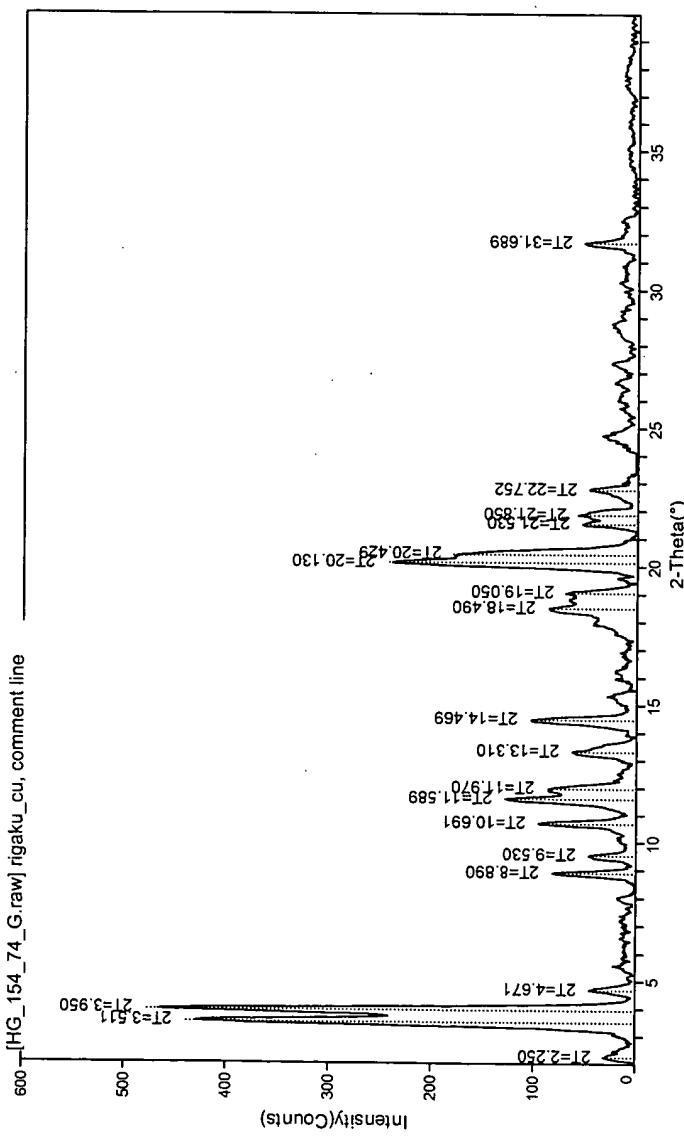
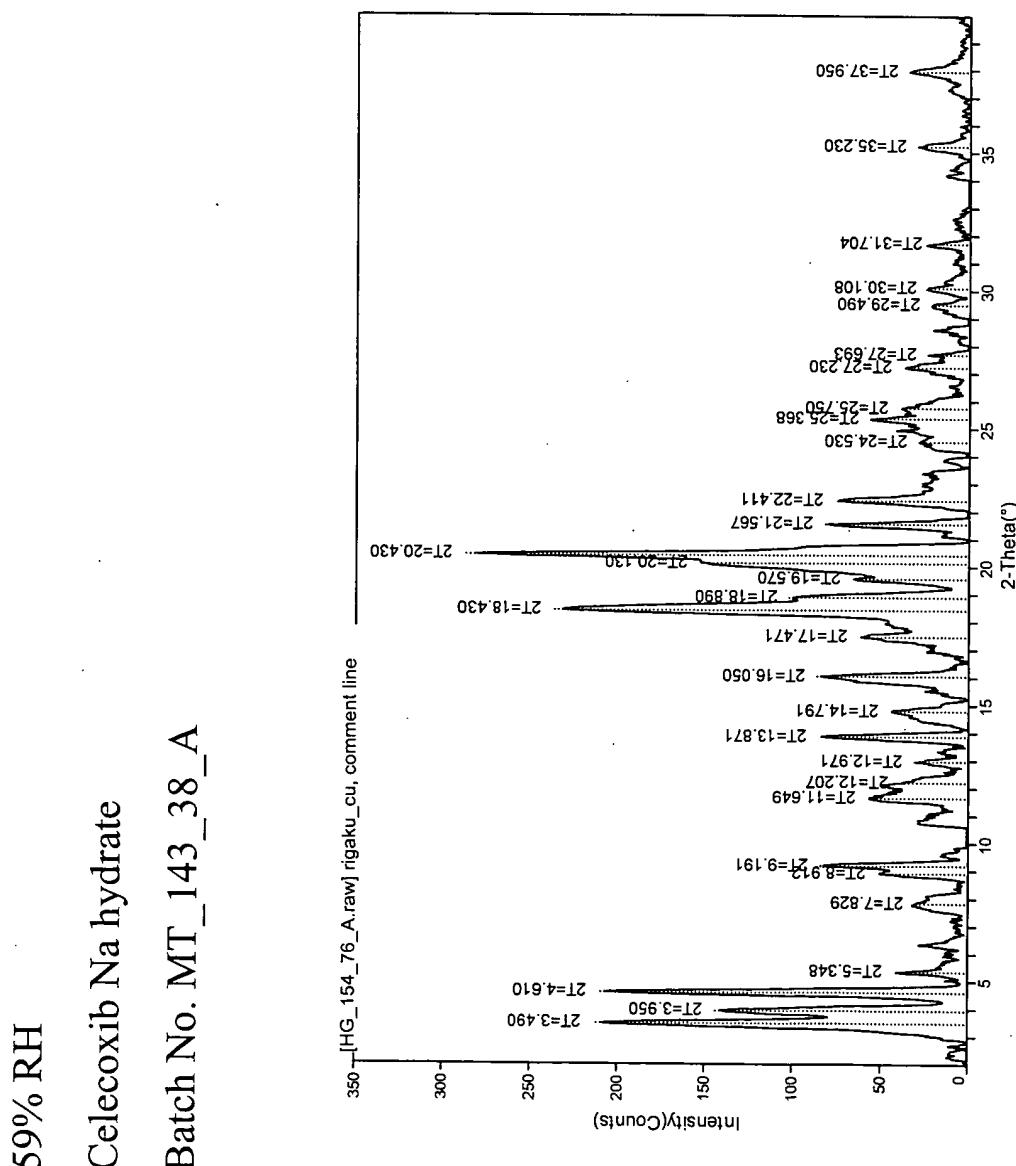


FIGURE 54

FIGURE 55



74% RH

Celecoxib Na hydrate

Batch No. MT_143_138_A

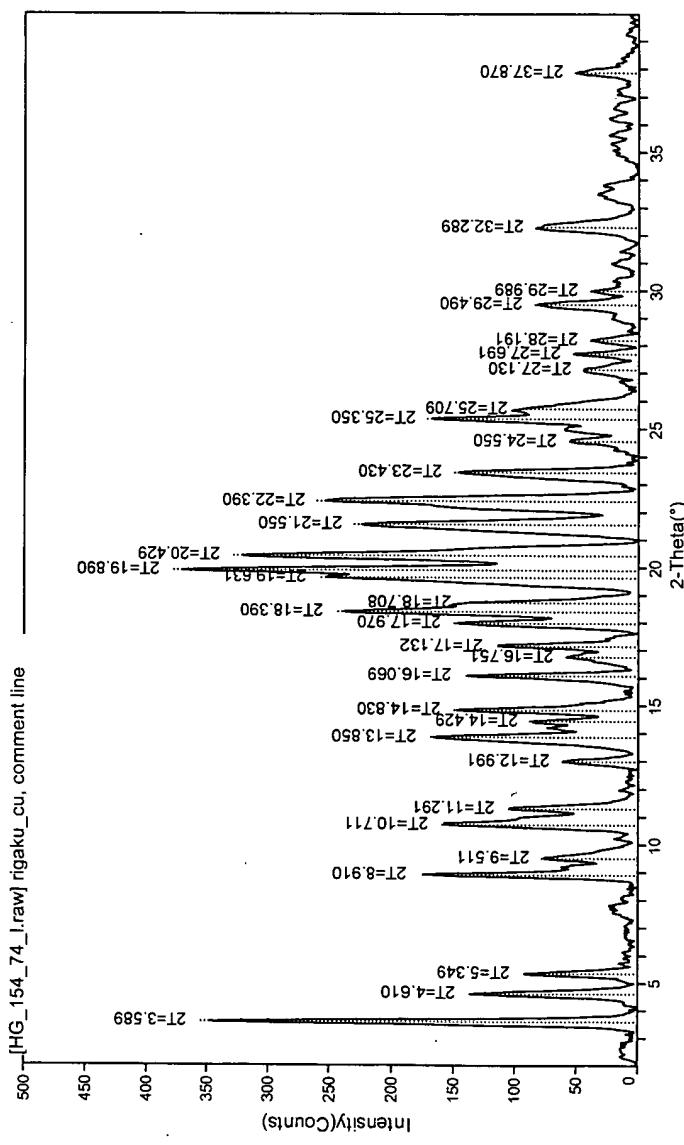


FIGURE 56

17% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

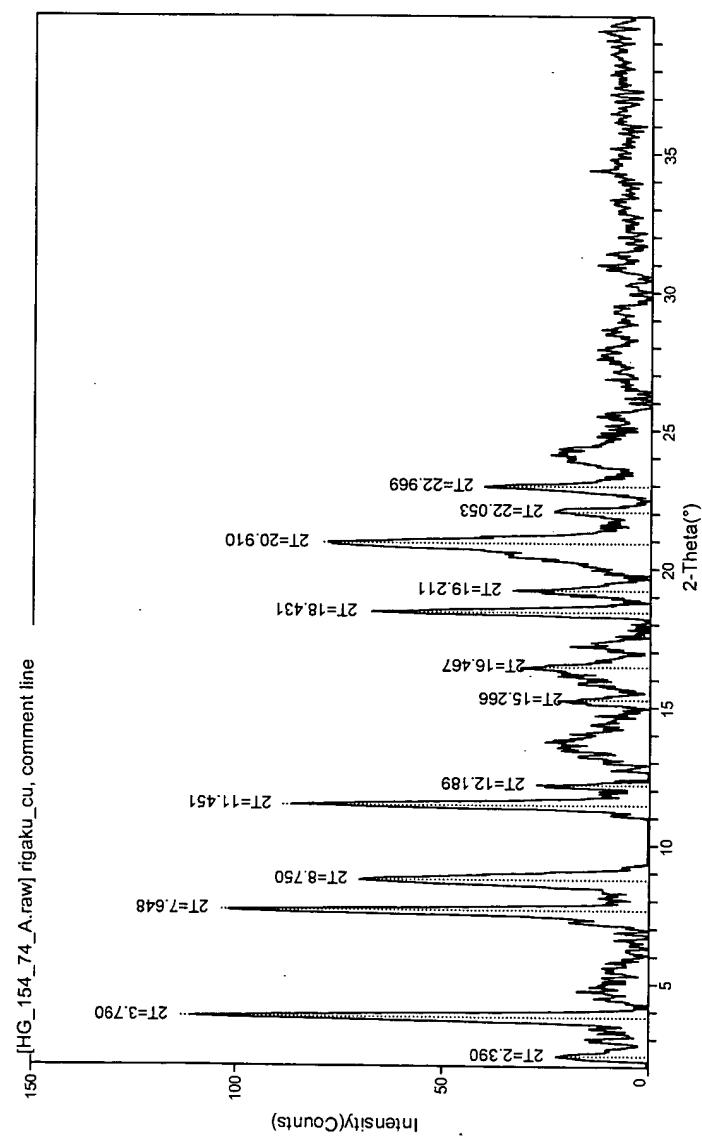


FIGURE 57

31% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

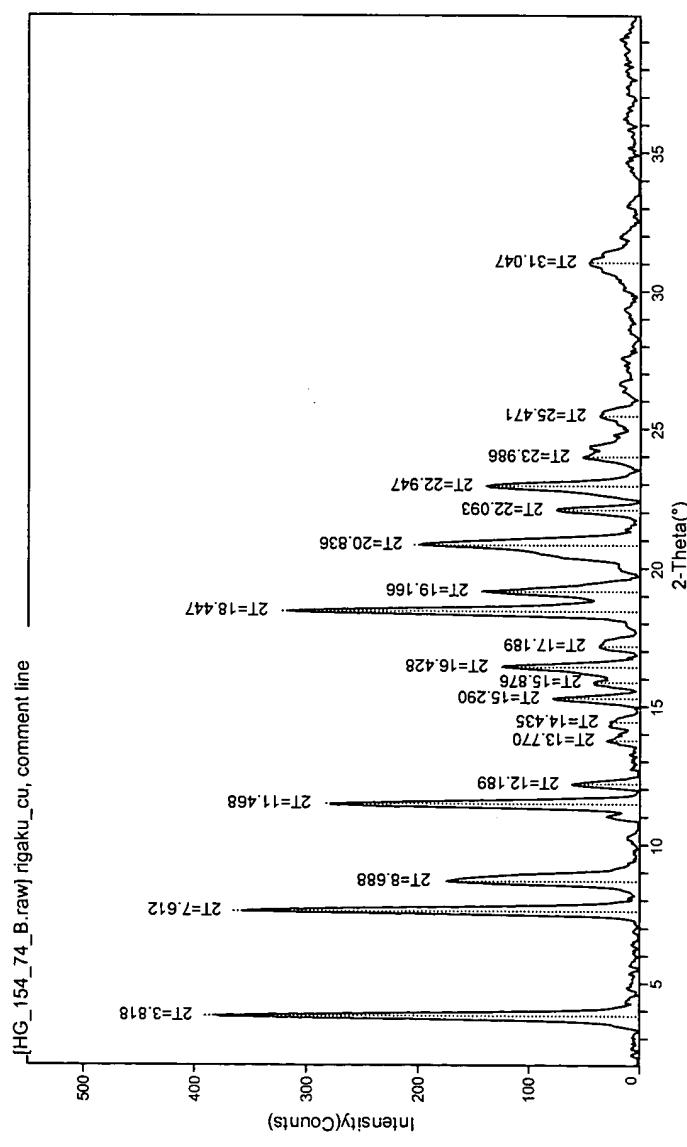


FIGURE 58

59% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

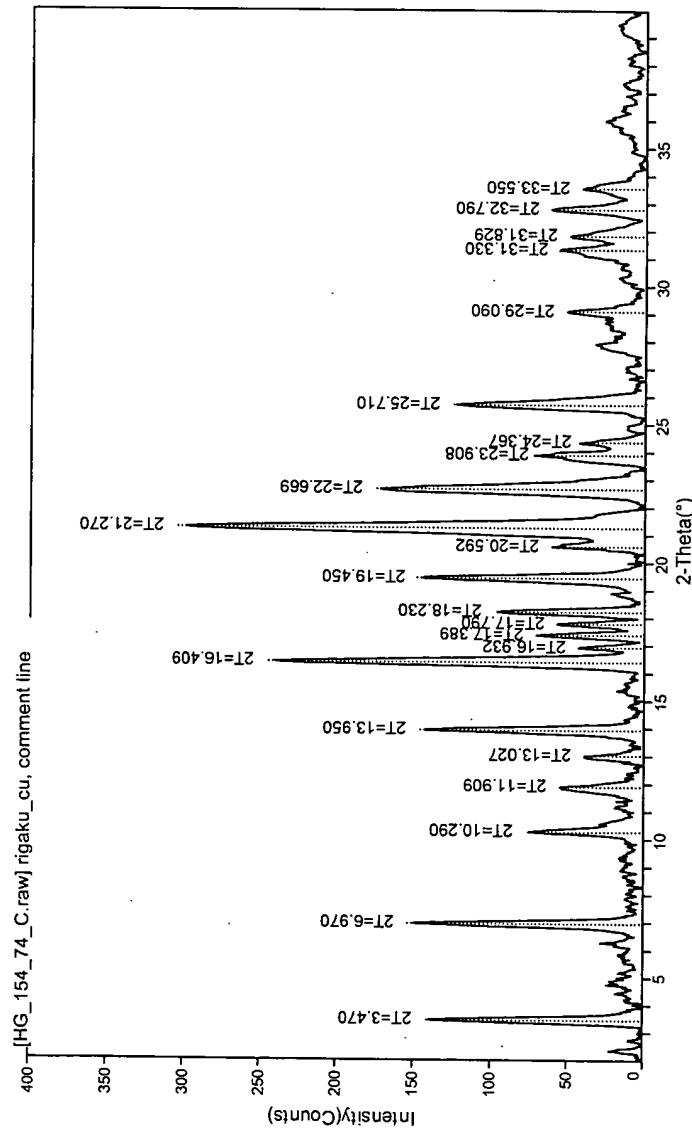


FIGURE 59

74% RH

Celecoxib Na propylene glycol solvate

Batch No. MT_143_25

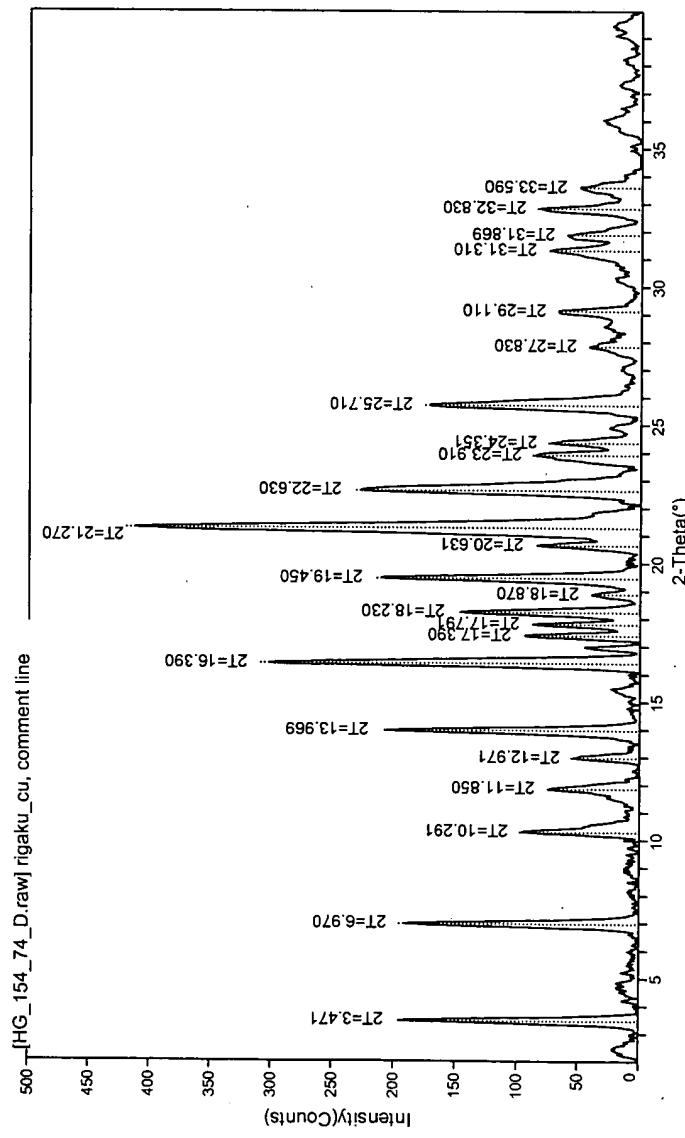


FIGURE 60

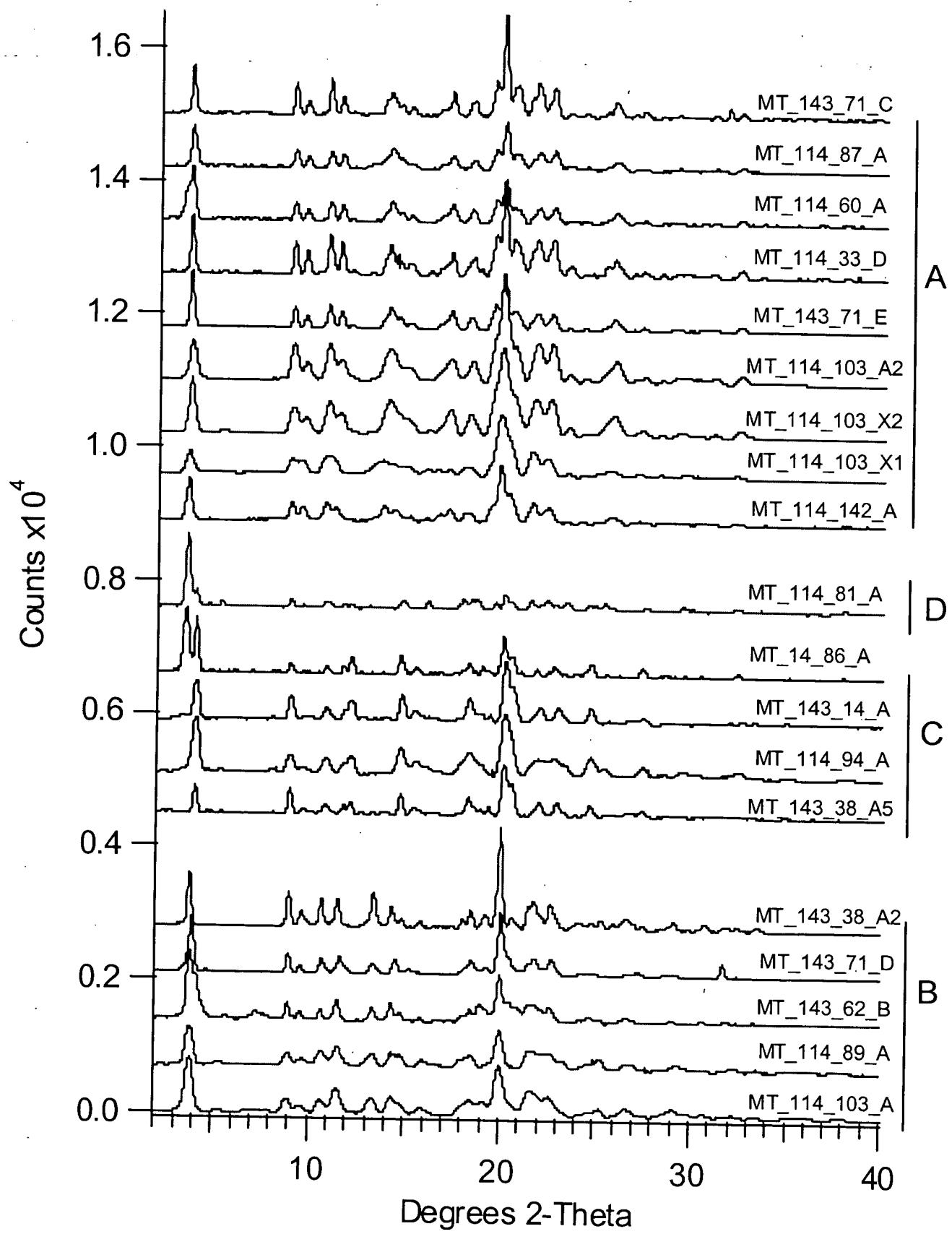


Figure 61

FIGURE 62

